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POPULATION DISTRIBUTION OF THE UNITED STATES AS A FUNCTION OF OUTDOOR NOISE LEVEL. VOLUME 2

BOLT, BERANEK AND NEWMAN, INCORPORATED

PREPARED FOR
ENVIRONMENTAL PROTECTION AGENCY

JUNE 1974

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16. ABSTRACT

This report summarizes the planning, conduct, and results of a noise survey in 100 sites in urban areas across the United States and the use of those results coupled with other existing data, to provide an estimate of the outdoor noise levels experienced in residential areas by the United States population. It concludes that there are more than 90 million people living in areas in excess of 55 L_{dn} and 1.3 million in areas in excess of 75 L_{dn}.

17. KEY WORDS AND DOCUMENT ANALYSIS

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VOLUME 2

JUNE 1974

W. J. Galloway
K. McK. Eldred
M. A. Simpson

Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Noise Abatement and Control
Washington, D.C. 20460

Under Contract No. 68-01-1886

This report has been approved for general availability. The contents of this report reflect the views of the contractor, who is responsible for the facts and the accuracy of the data presented herein, and do not necessarily reflect the official views or policy of EPA. This report does not constitute a standard specification, or regulation.

APPENDIX B

SITE DATA

This appendix provides a description of each of the 100 measurement sites utilized during this project. The computer output listings for each of the sites are also presented. Data are presented by city, in alphabetical order.

Figures B-1 through B-14 show maps of the fourteen cities in which noise measurements were obtained. On each map the specific measurement locations are indicated.

Figures B-15 through B-114 provide data for each of the sites. The first page of each figure, labeled Figure B-xx(a) provides a physical description of the site. A photo and vicinity map are shown, and the address, population density, and measured L_{dn} value are given. Also listed are various parameters of the traffic flow in the general vicinity of the site. The street on which the site is located, and the street in the vicinity of the site which most contributes to the noise environment of the site, are both classified into one of four categories: freeway, arterial, collector, and local. Also indicated are the types of vehicles that traverse these streets. Noise sources other than traffic that affect the noise environment at the site are also listed.

The second page of the figure, labeled Figure B-xx(b), lists various statistics and noise levels for each hour of the day. Tabulated are the maximum and minimum values occurring during the hour, the noise pollution level (NPL), the standard deviation (SIG) of the distribution of levels

occurring during the hour, the L-equivalent level (LEQ), and the traffic noise index (TNI). Various percentile levels ranging from L_1 to L_{99} are also listed.

Similar noise measures are tabulated for the daytime (0700-2200 hrs.) and nighttime (2200-0700 hrs.) periods on the final page, labeled Figure B-xx(c). Plotted at the top of this page is the distribution of levels for the daytime and nighttime periods. Also, the weighted 24-hour L-equivalent value, with weighting factors of 0, 8, 10, and 12 decibels for the nighttime period, are listed. Note that the weighted L-equivalent value for a weighting factor of 10 decibels is the day/night sound level (L_{dn}).

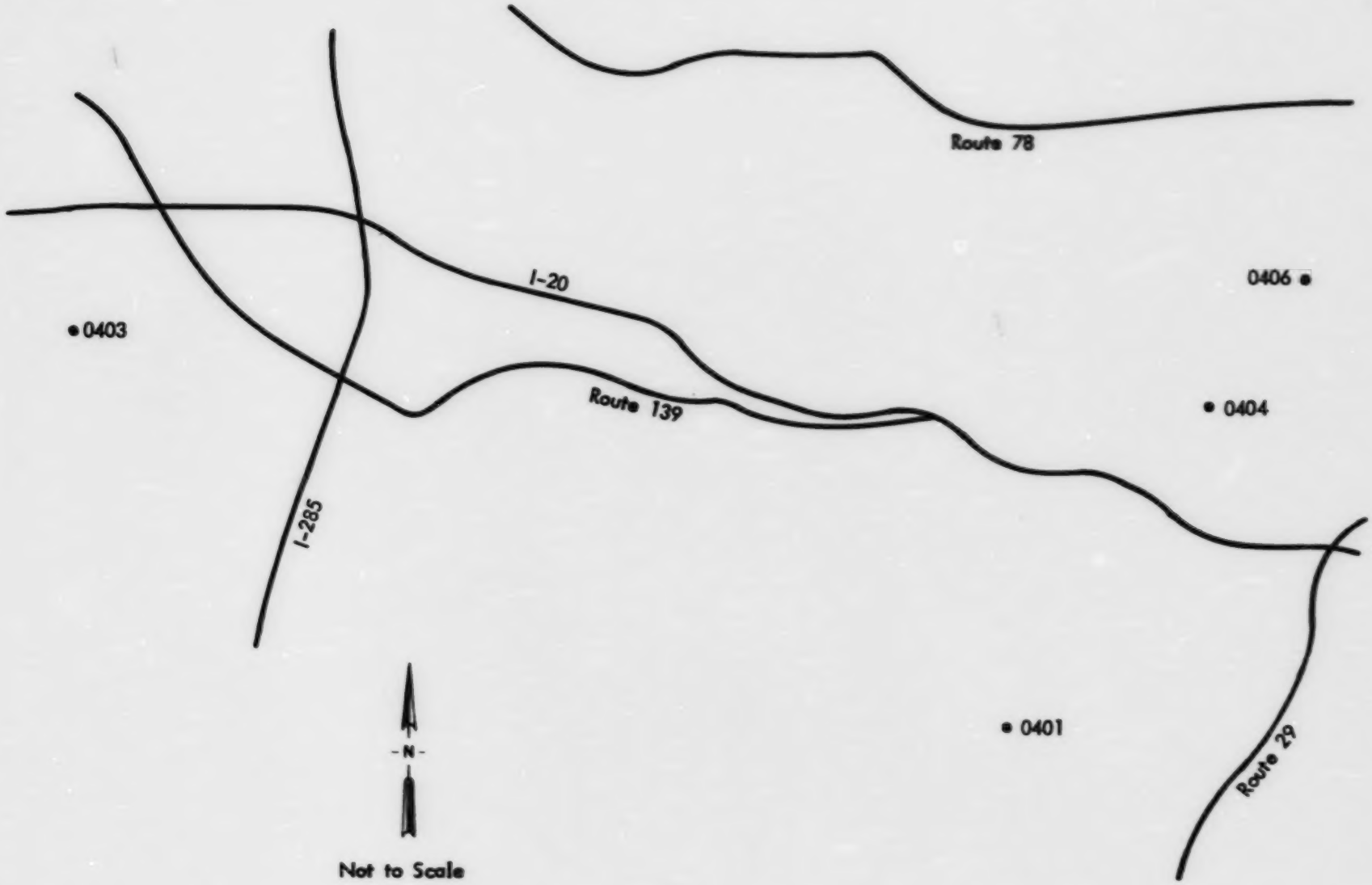


FIGURE B-1. LOCATION OF MEASUREMENT SITES IN ATLANTA

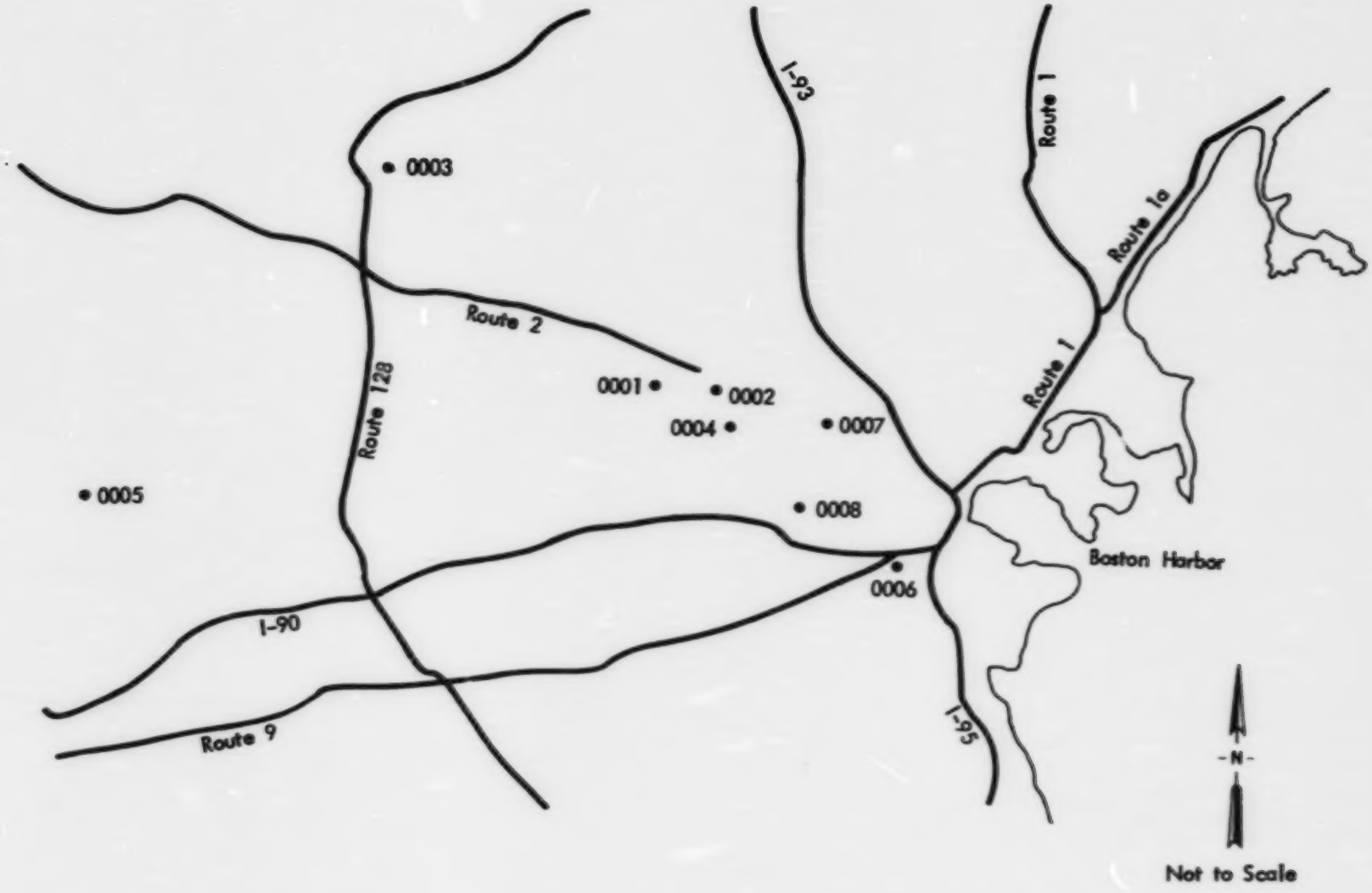


FIGURE B-2. LOCATION OF MEASUREMENT SITES IN BOSTON

FIGURE B-3. LOCATION OF MEASUREMENT SITES IN CHICAGO

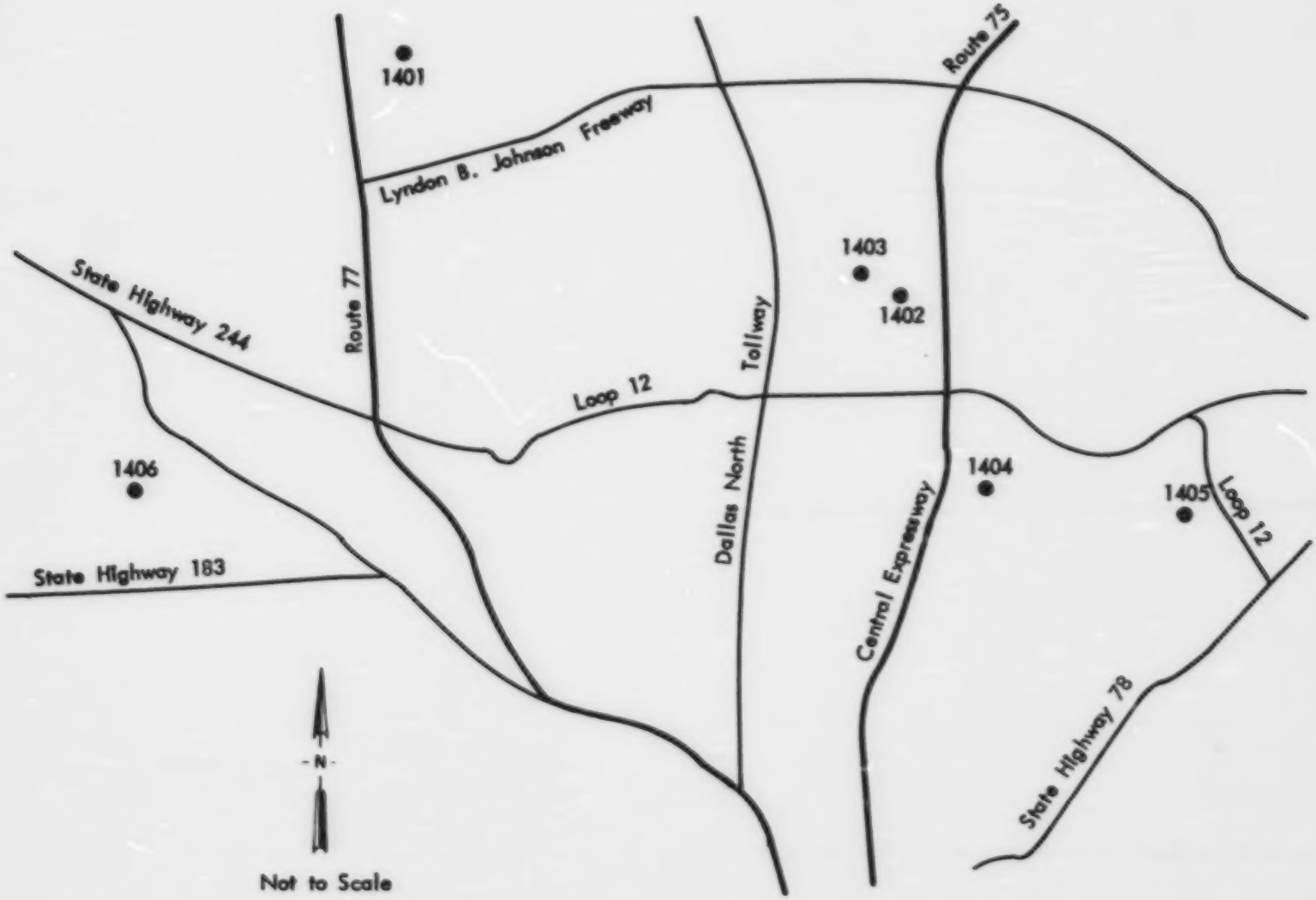


FIGURE B-4. LOCATION OF MEASUREMENT SITES IN DALLAS

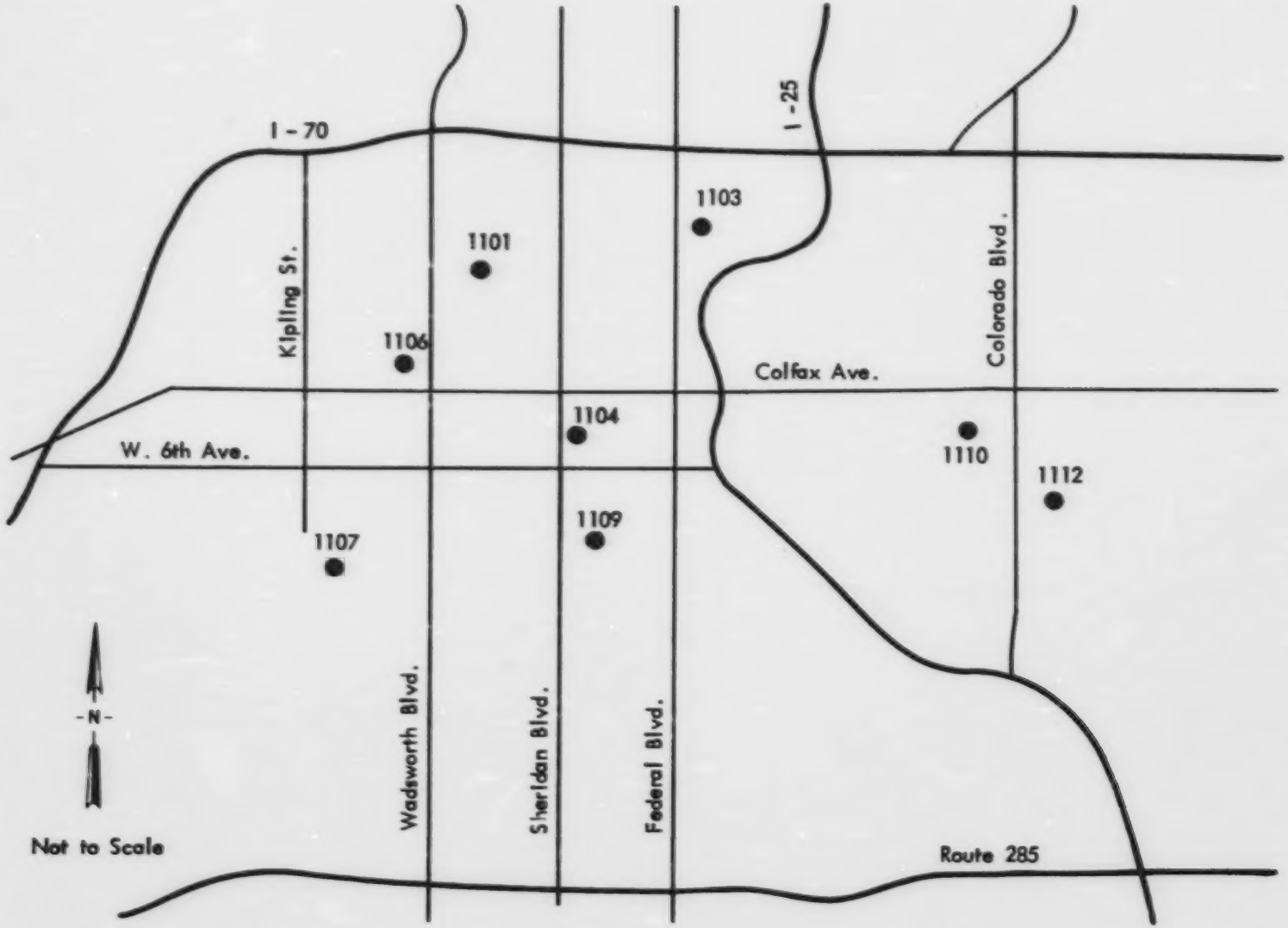


FIGURE B-5. LOCATION OF MEASUREMENT SITES IN DENVER

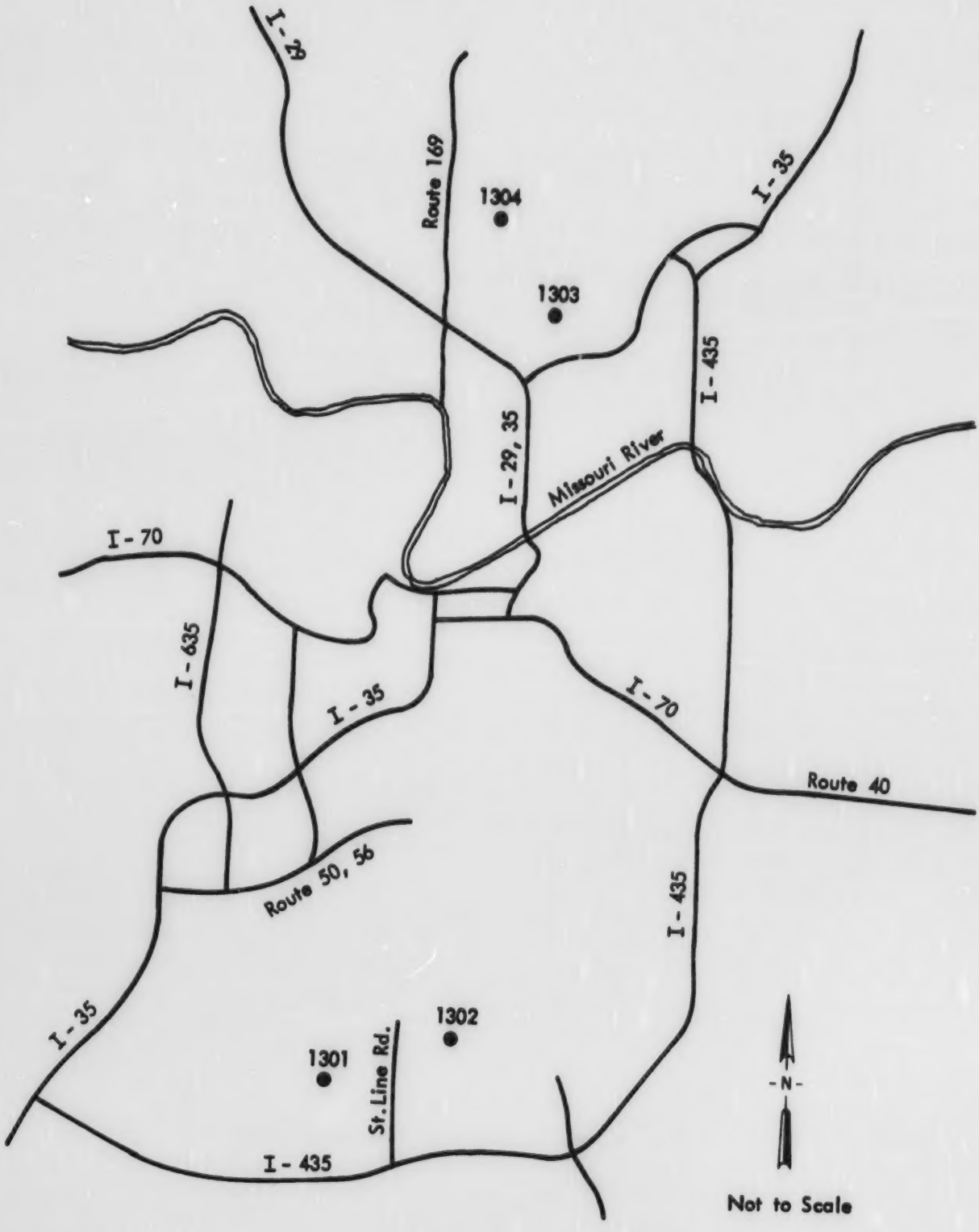


FIGURE B-6. LOCATION OF MEASUREMENT SITES IN KANSAS CITY

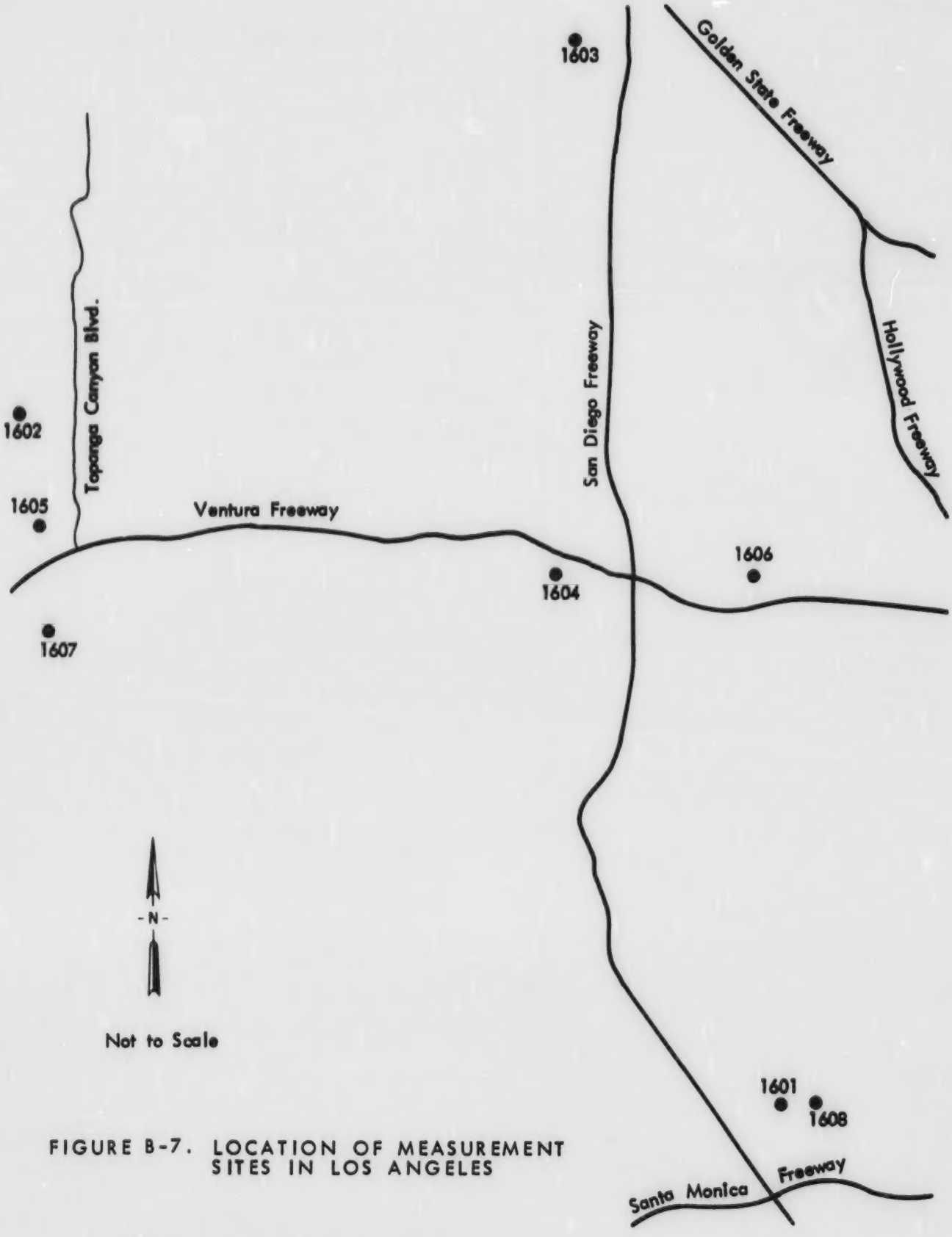


FIGURE B-7. LOCATION OF MEASUREMENT SITES IN LOS ANGELES

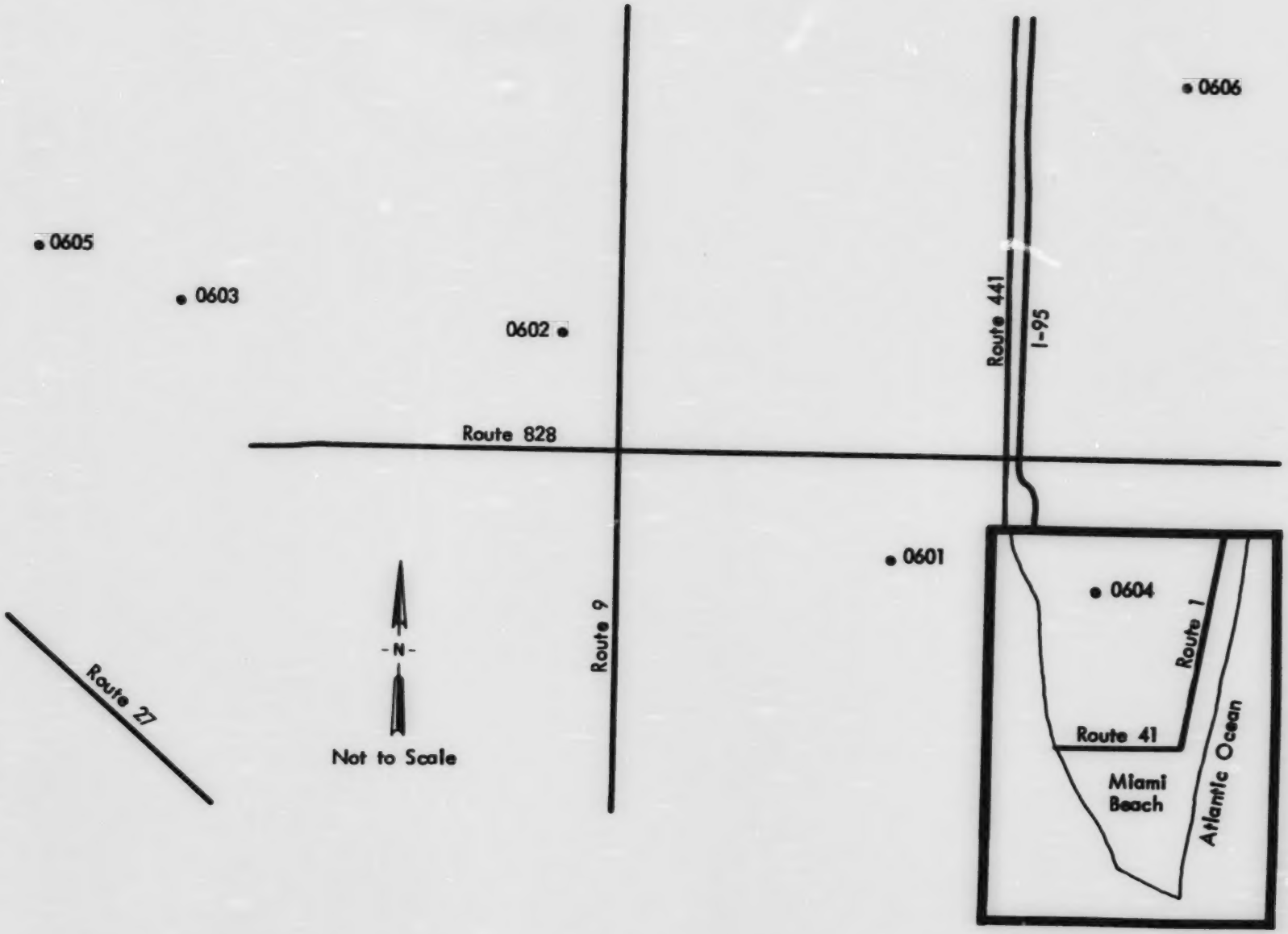


FIGURE B-8. LOCATION OF MEASUREMENT SITES IN MIAMI

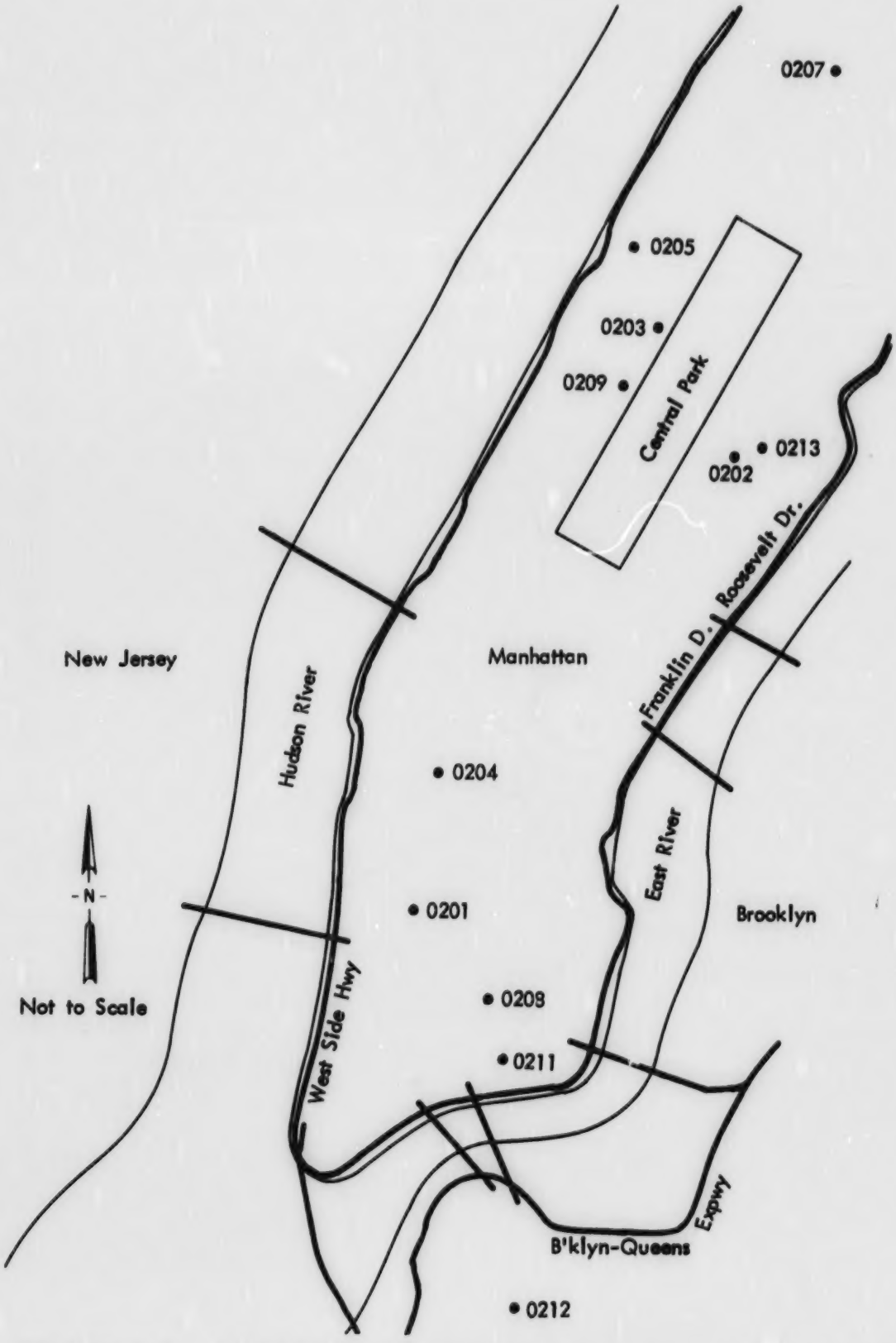


FIGURE B-9. LOCATION OF MEASUREMENT SITES IN NEW YORK

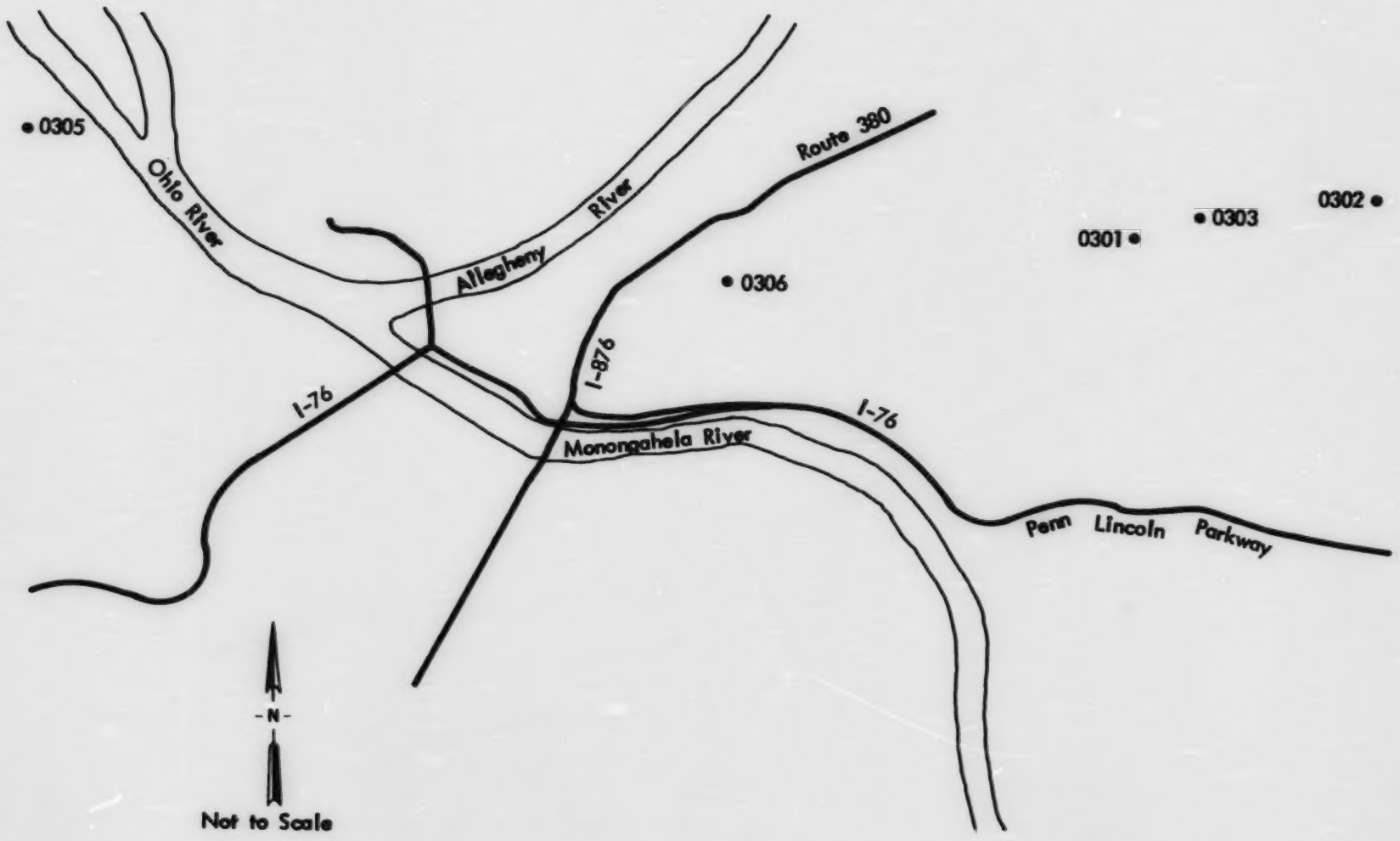


FIGURE B-10. LOCATION OF MEASUREMENT SITES IN PITTSBURGH

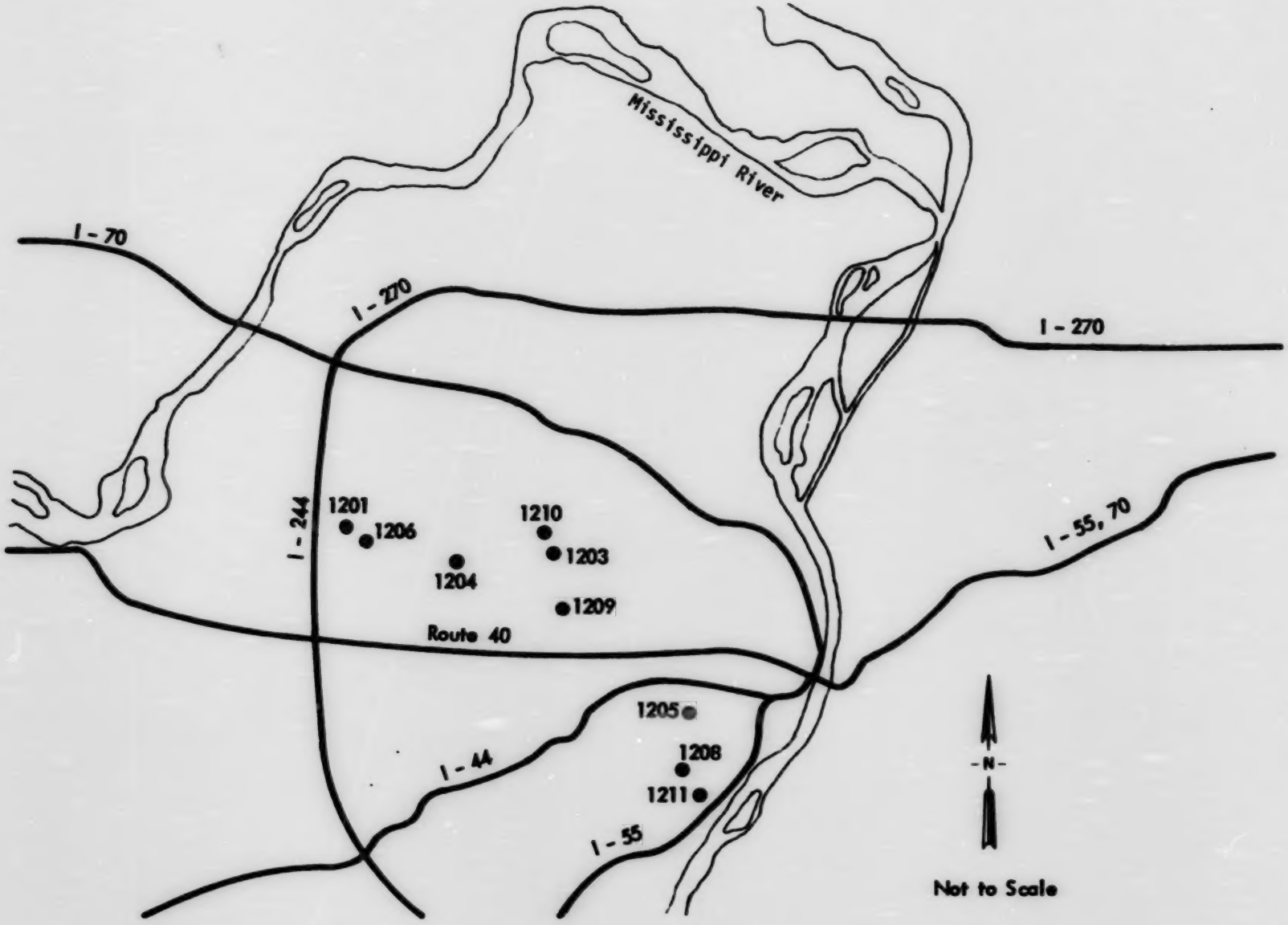


FIGURE B-11. LOCATION OF MEASUREMENT SITES IN ST. LOUIS

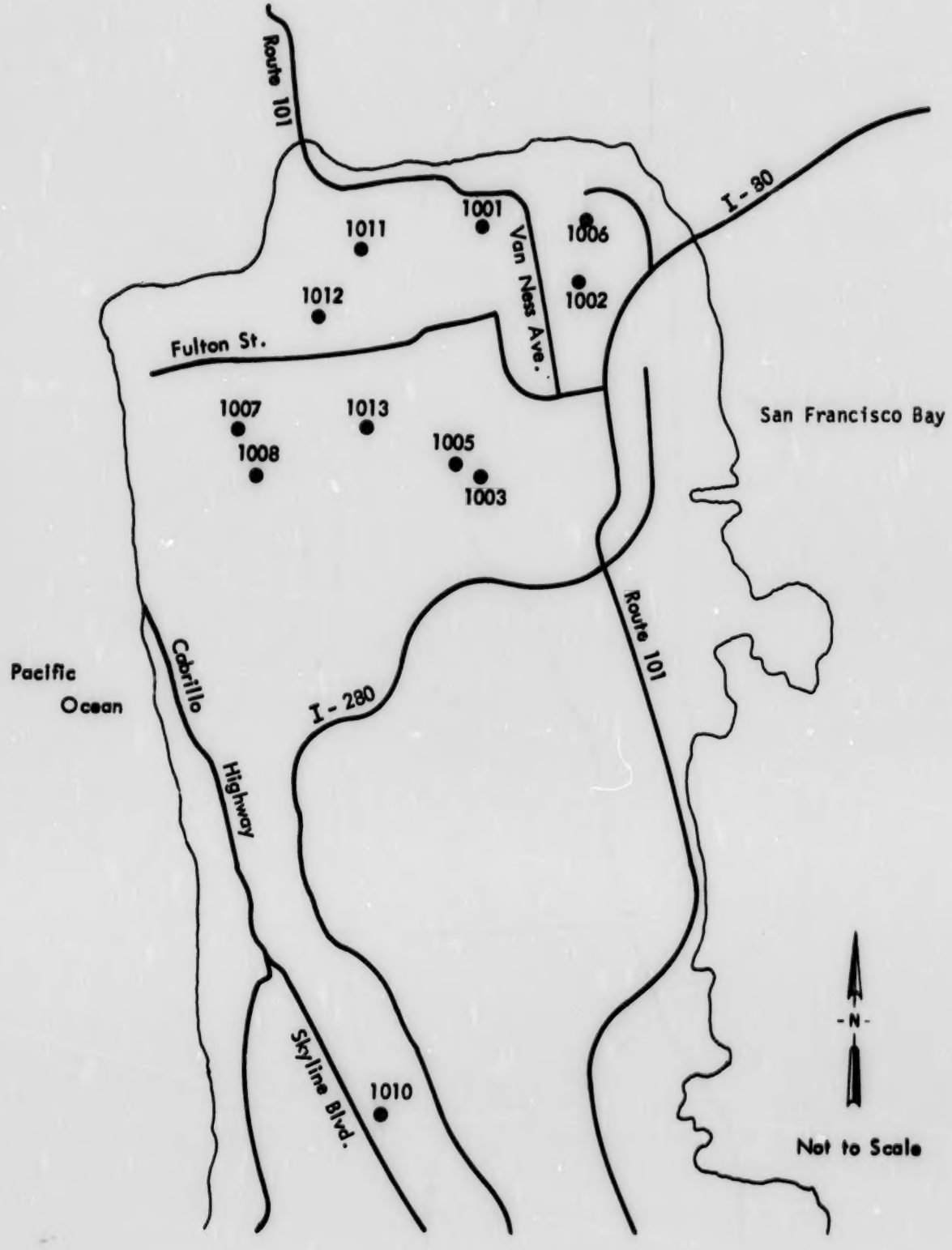


FIGURE B-12. LOCATION OF MEASUREMENT SITES IN SAN FRANCISCO

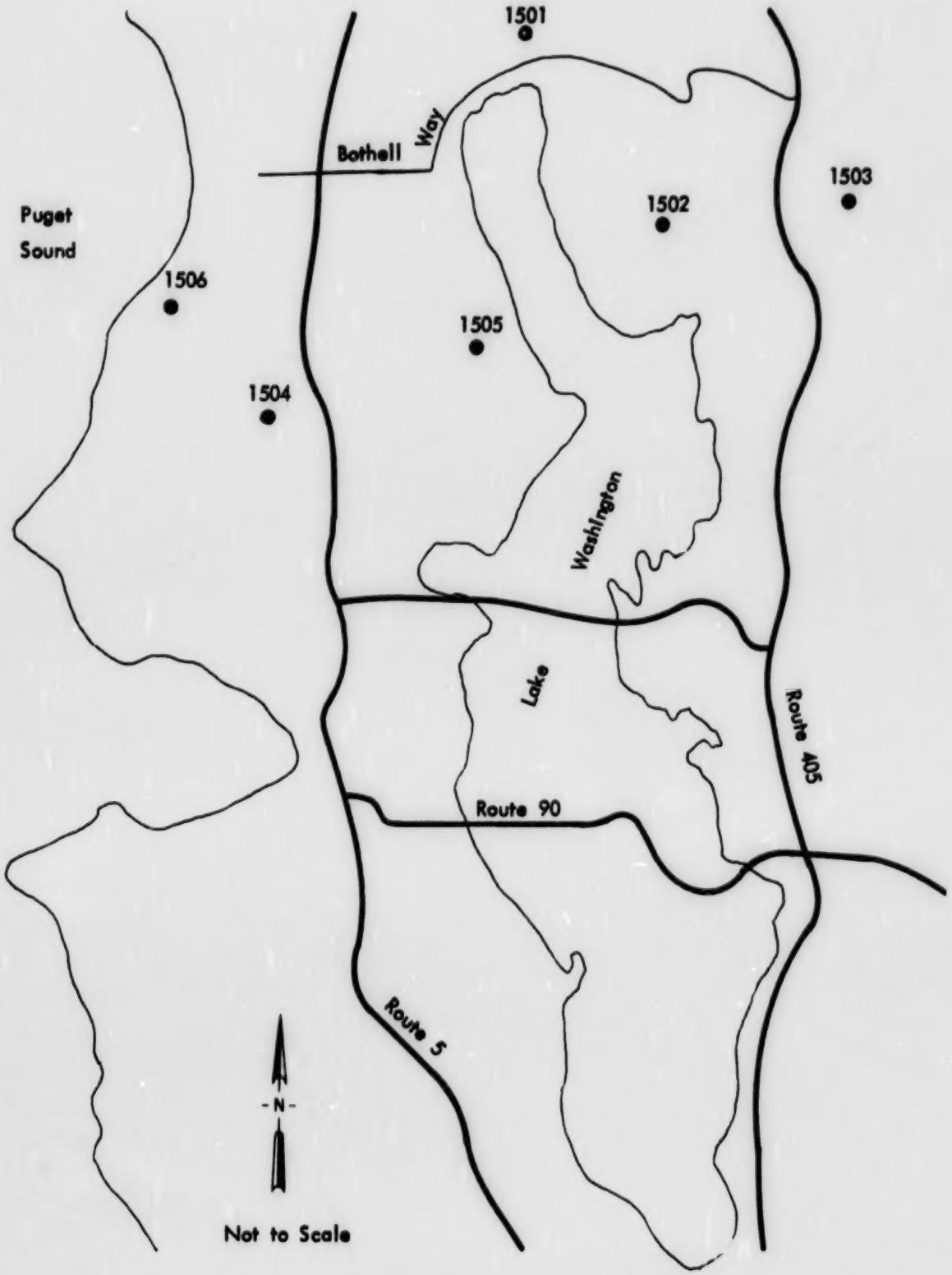


FIGURE B-13. LOCATION OF MEASUREMENT SITES IN SEATTLE

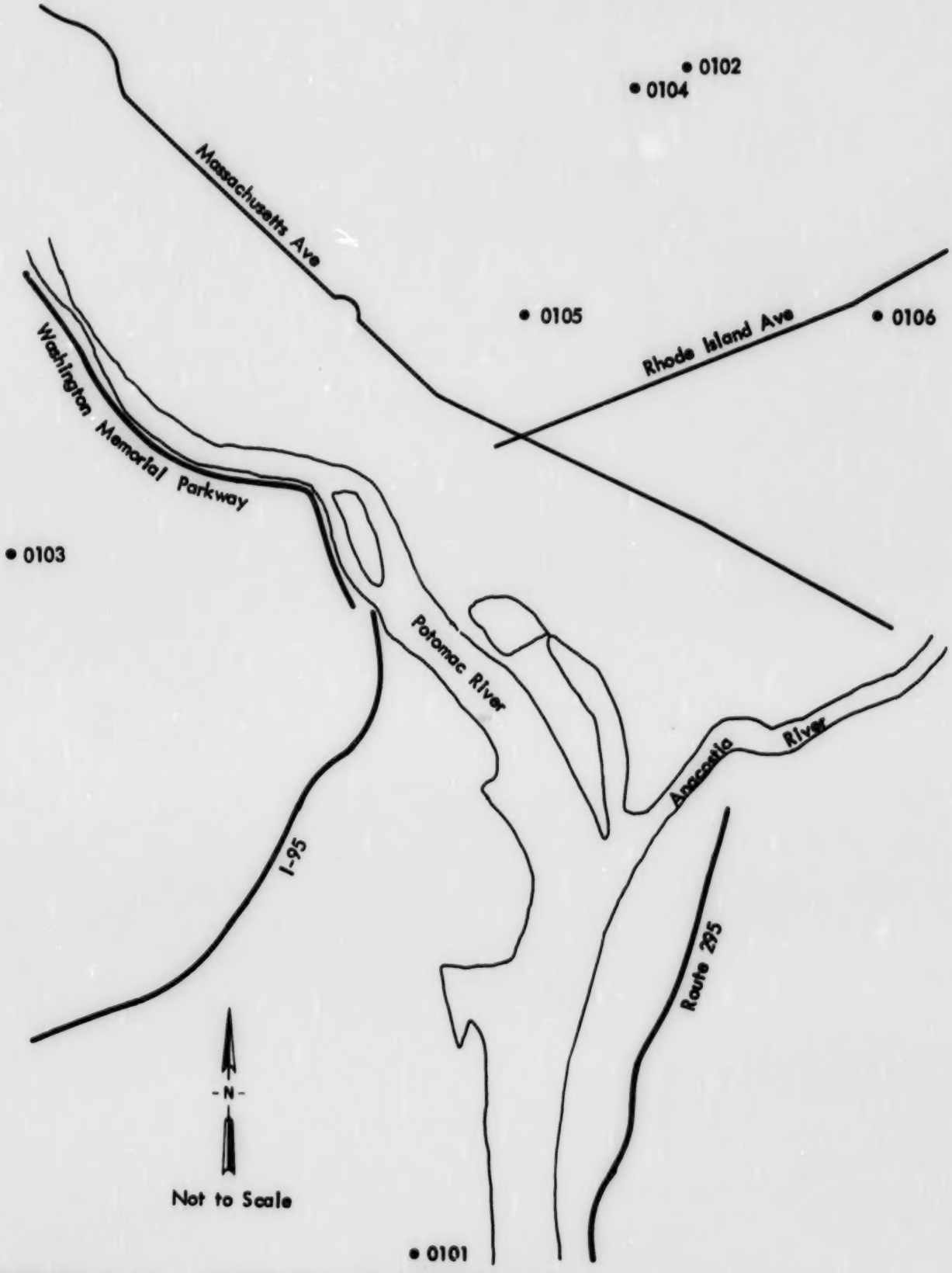
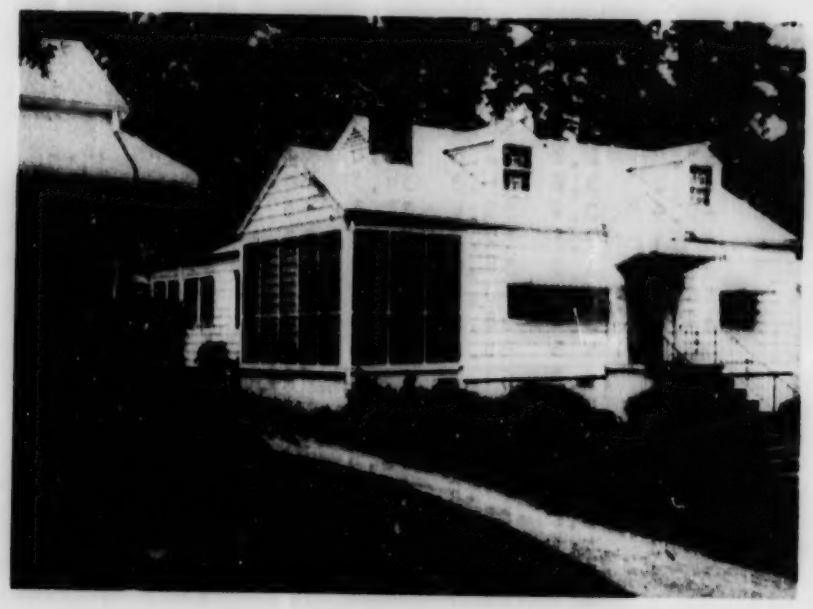
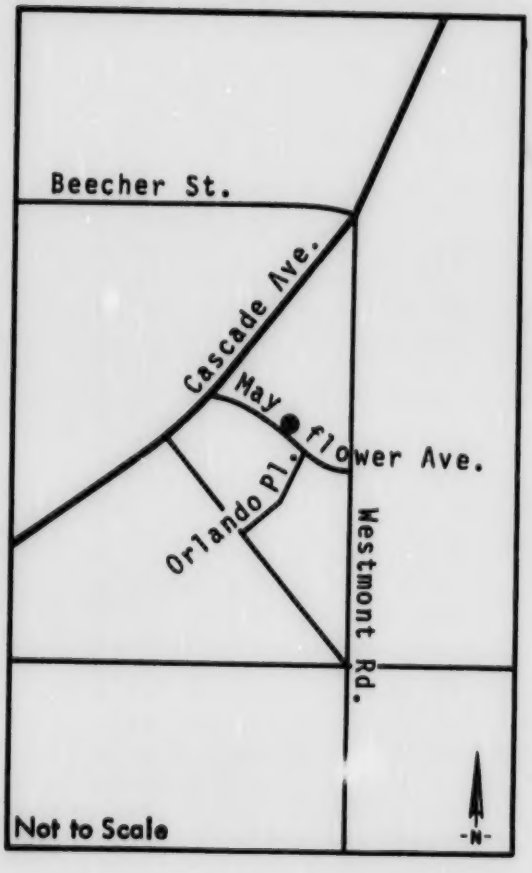


FIGURE B-14. LOCATION OF MEASUREMENT SITES IN WASHINGTON





L_{DN}:	63.8	dB
ρ:	6,400	people / sq. mi.

SITE: 0401

Address: 1571 Mayflower SW
Atlanta, GA

Microphone Height: 3.0 m.

Distance to Curb: 15.2 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

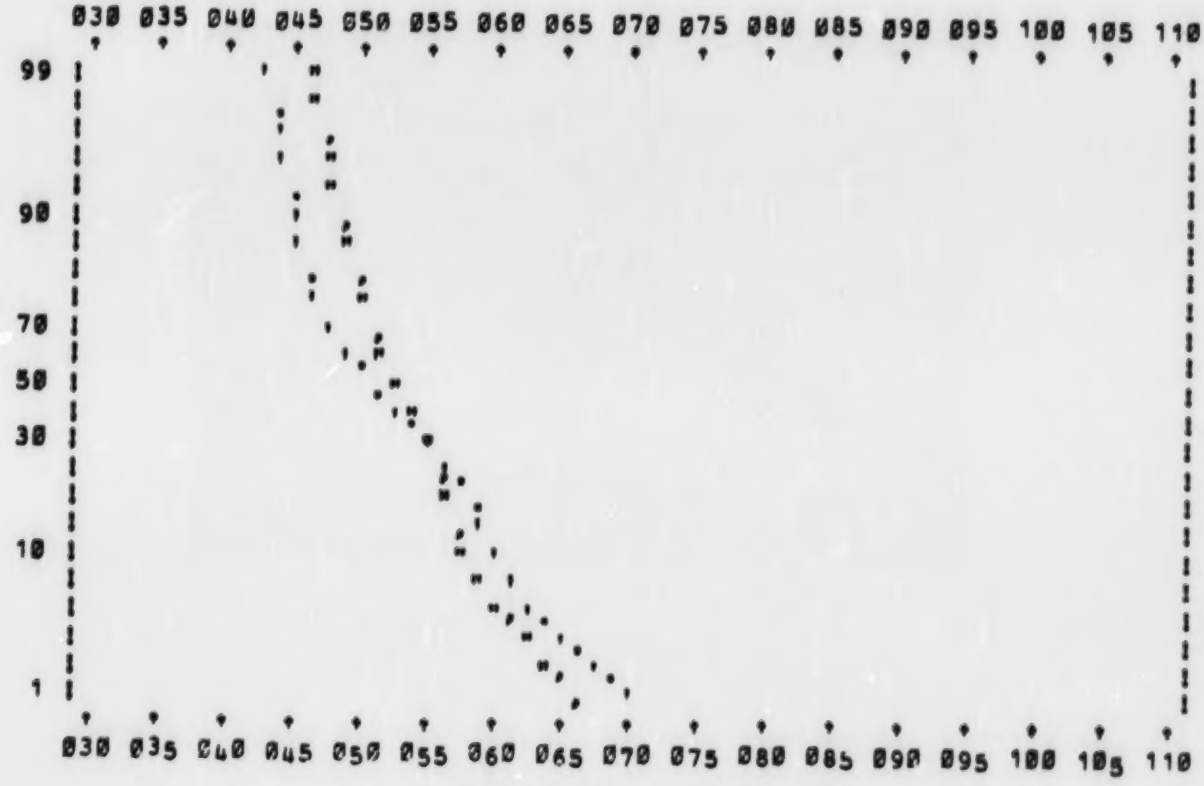
FIGURE 3-15(a). DESCRIPTION OF ATLANTA SITE 0401

SITE # 401

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	78.8	50.0	67.0	3.3	58.4	52.8	69.3	65.4	63.2	60.5	57.2
2	71.3	48.8	64.9	3.4	56.3	51.3	66.0	63.8	62.2	58.9	55.8
3	73.8	47.5	58.7	2.0	53.5	33.0	62.0	56.0	54.4	53.6	53.1
4	73.8	47.5	61.8	3.0	54.3	34.1	66.6	61.2	56.6	53.1	52.2
5	81.3	45.0	60.9	2.9	53.4	37.6	65.5	58.3	56.3	53.1	51.2
6	70.0	45.0	61.1	3.5	52.2	50.3	61.4	59.1	57.7	55.2	52.2
7	76.3	43.6	74.8	6.3	58.6	81.8	69.5	67.0	65.6	63.0	58.3
8	73.8	42.5	66.1	4.8	53.8	60.8	65.4	62.4	60.6	56.6	51.5
9	95.0	41.3	67.6	3.4	58.9	38.8	60.0	55.0	53.2	50.5	48.2
10	81.3	42.5	70.5	5.5	56.6	64.5	69.3	63.2	60.4	57.1	53.8
11	85.0	41.3	78.3	6.7	61.1	75.9	75.3	68.8	64.4	60.0	55.1
12	85.0	40.0	68.8	4.9	56.3	59.2	64.8	60.8	58.8	55.5	52.1
13	85.0	38.8	70.9	5.4	57.1	67.4	66.6	62.2	60.4	57.8	54.2
14	80.0	38.8	73.3	6.3	57.2	79.5	68.4	66.0	63.8	60.1	56.1
15	85.0	38.8	74.0	6.3	57.9	77.6	69.4	65.2	63.1	60.1	56.7
16	81.3	40.0	73.5	6.0	58.1	76.1	69.9	66.1	63.9	60.6	57.0
17	92.5	41.3	85.3	7.4	66.3	87.0	80.1	72.2	68.6	64.3	60.3
18	95.0	42.5	84.0	7.1	65.9	85.5	76.5	71.2	68.2	64.2	60.1
19	80.0	45.0	70.9	4.8	58.7	66.1	69.8	66.2	64.1	61.2	57.8
20	85.0	48.8	69.4	3.9	59.5	57.8	67.7	63.8	62.6	60.5	57.5
21	96.3	43.8	75.5	4.3	64.6	58.2	72.0	66.1	63.7	61.6	60.1
22	72.5	53.8	63.2	1.6	59.1	42.2	64.4	62.0	61.2	60.7	59.8
23	75.0	52.5	61.2	1.5	57.5	38.4	61.8	59.7	59.3	58.6	58.2
24	80.0	51.3	60.9	1.5	57.0	38.8	61.8	59.6	58.8	58.3	57.4

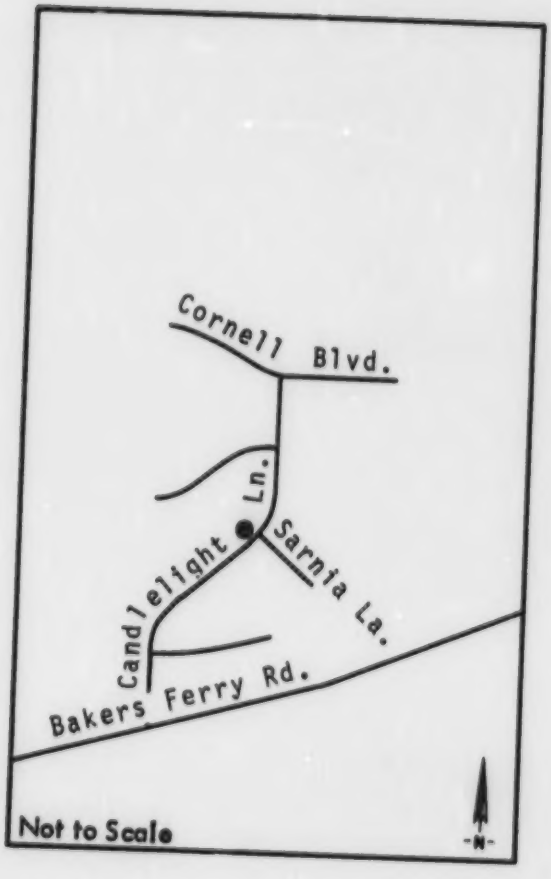
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.1	55.6	55.2	54.7	54.3	53.8	53.1	52.7	52.5	51.7
2	54.3	53.6	53.1	52.7	52.3	51.8	51.4	50.9	50.5	50.2
3	52.6	52.3	52.0	51.7	51.4	51.0	50.4	50.2	50.1	49.4
4	51.8	51.4	51.2	50.7	50.4	50.1	49.4	49.0	48.9	48.4
5	50.8	50.4	50.3	49.6	49.3	48.9	48.3	47.9	47.7	47.4
6	50.4	49.3	48.6	48.2	47.9	47.5	46.9	46.6	46.4	46.3
7	54.4	51.5	49.6	48.6	48.0	47.4	46.8	46.5	46.3	45.8
8	49.3	48.1	47.3	46.7	46.2	45.7	45.2	45.0	44.5	44.0
9	47.1	46.4	46.0	45.7	45.3	45.0	44.3	44.0	43.9	43.8
10	51.5	49.5	48.1	47.1	46.2	45.5	44.6	44.1	43.9	43.7
11	52.1	50.1	48.7	47.5	46.5	45.6	44.7	44.2	43.9	43.4
12	50.1	48.8	47.8	46.9	46.1	45.3	44.3	43.8	43.2	42.5
13	51.6	49.8	48.5	47.4	46.5	45.6	44.6	43.9	43.5	42.7
14	53.6	51.8	50.4	49.1	47.6	45.8	43.7	42.5	41.8	40.9
15	54.3	52.2	50.4	48.8	47.3	45.9	44.3	43.3	42.8	41.8
16	54.4	52.5	50.9	49.5	48.2	46.9	45.5	44.5	43.9	42.8
17	57.6	55.3	53.3	51.6	50.1	48.8	46.8	45.5	44.9	43.8
18	57.2	54.9	52.9	51.1	49.6	48.3	47.2	46.5	46.3	45.3
19	55.9	54.5	53.4	52.5	51.7	50.8	49.6	48.6	47.9	47.8
20	55.8	54.8	54.0	53.4	52.8	52.1	51.5	50.9	50.5	50.1
21	59.3	58.6	57.8	57.0	55.9	54.7	52.7	51.0	50.1	48.6
22	59.4	59.0	58.7	58.3	57.9	57.6	56.8	56.4	56.3	55.4
23	57.7	57.3	57.0	56.7	56.4	56.0	55.4	55.1	54.9	54.1
24	57.1	56.8	56.4	56.1	55.7	55.3	54.8	54.2	54.0	53.8

FIGURE B-15(b). HOURLY NOISE DATA FOR ATLANTA SITE 0401



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	96.3	81.3	0.	59.8
MIN	38.8	43.8	8.	62.5
NPL	77.5	66.9	10.	63.8
SIG	6.4	4.2	12.	65.2
LEQ	61.1	56.2		
TNI	76.1	57.9		
L1	71.1	66.6		
L3	65.6	62.8		
L5	63.2	60.4		
L10	60.4	58.2		
L20	58.1	56.8		
L30	55.7	55.6		
L40	53.1	54.2		
L50	51.0	52.8		
L60	49.2	51.8		
L70	47.6	50.9		
L80	46.3	49.8		
L90	45.2	48.3		
L95	44.3	47.5		
L97	43.9	47.0		
L99	42.8	46.5		

FIGURE B-15(c). DAY/NIGHT NOISE DATA FOR ATLANTA SITE 0401



L_{DN}:	61.9	dB
ρ:	1,700	people / sq. mi.

SITE: 0403

Address: 59 Candlelight Ln.
Atlanta, GA

Microphone Height: 1.5 m.

Distance to Curb: 13.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars, Buses

OTHER NOISE SOURCES:

FIGURE B-16(a). DESCRIPTION OF ATLANTA SITE 0403

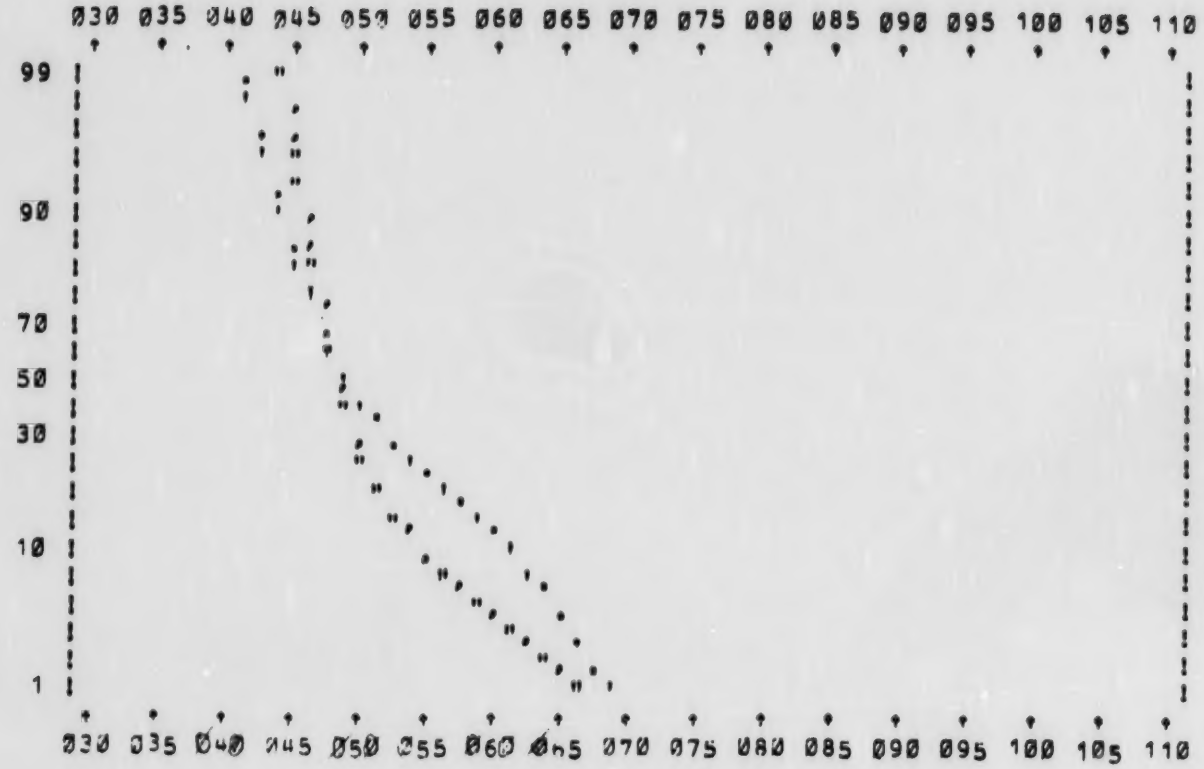
SITE # 403

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	43.8	68.7	5.1	55.7	64.1	67.5	64.7	62.8	58.2	52.7
2	70.0	42.5	65.7	4.5	54.1	57.4	66.4	62.4	60.1	56.3	52.3
3	65.0	42.5	53.7	2.0	48.5	36.3	53.5	52.2	51.5	50.7	49.6
4	75.0	41.3	60.4	3.2	52.3	38.2	63.4	53.8	52.2	51.0	49.7
5	70.0	41.3	59.3	3.4	50.8	41.0	62.5	57.9	54.5	51.6	49.8
6	75.0	41.3	62.7	4.0	52.3	49.5	64.0	59.3	57.0	53.5	50.4
7	85.0	43.8	74.8	5.9	59.7	71.0	71.1	67.6	65.3	60.3	56.2
8											
9											
10											
11	78.8	41.3	69.7	5.2	56.3	66.4	67.8	64.0	61.4	58.5	54.8
12	80.0	40.0	70.9	5.8	56.1	67.6	68.9	63.6	60.8	56.9	52.8
13	82.5	35.0	79.2	7.9	58.9	92.9	70.9	67.1	65.0	61.8	57.5
14	80.0	38.8	68.6	5.3	55.1	57.2	68.0	61.6	58.2	53.8	49.3
15	83.8	38.8	68.8	5.1	55.6	57.1	68.4	62.1	59.1	54.7	51.0
16	77.5	41.3	68.5	4.9	55.9	62.5	67.4	62.9	60.7	57.4	53.5
17	85.0	42.5	73.4	5.5	59.4	67.8	72.1	66.2	63.5	59.9	56.0
18	80.0	40.0	72.0	5.8	57.2	68.2	69.8	63.7	61.3	57.4	53.6
19	81.3	38.8	82.6	7.9	62.5	100.5	70.4	68.4	67.5	66.2	64.5
20	83.8	37.5	83.0	8.6	61.0	100.8	70.2	67.4	66.6	65.4	63.6
21	78.8	37.5	72.2	5.7	57.5	72.2	69.3	64.8	62.9	59.7	55.6
22	77.5	45.0	64.9	3.8	55.2	45.7	67.8	60.7	58.3	54.7	52.3
23	67.5	43.8	60.6	3.3	52.3	47.9	61.5	59.0	57.1	54.9	52.8
24	76.3	43.8	67.8	4.6	56.1	56.8	69.0	64.0	61.2	56.9	52.9

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	50.7	49.7	48.9	48.2	47.4	46.9	46.3	45.6	45.3	45.1
2	50.2	49.2	48.4	47.7	47.1	46.6	45.9	45.4	45.2	44.9
3	49.0	48.3	47.7	47.2	46.7	46.2	45.4	45.1	44.7	44.1
4	48.7	48.2	47.7	47.2	46.7	46.1	45.3	44.7	44.3	43.8
5	49.0	48.3	47.7	47.1	46.6	45.9	45.1	44.3	44.0	43.2
6	48.9	48.1	47.4	46.8	46.3	45.6	44.8	44.2	43.9	43.1
7	53.3	51.5	50.3	49.4	48.6	47.7	46.7	46.1	45.6	45.1
8										
9										
10										
11	52.4	50.6	49.4	48.4	47.7	46.8	45.9	45.3	45.0	44.2
12	50.0	48.3	47.1	46.2	45.3	44.4	43.4	42.7	42.3	41.5
13	54.1	51.3	48.8	46.6	44.6	43.0	41.4	40.1	39.2	37.8
14	47.3	46.2	45.5	44.8	44.2	43.5	42.7	42.0	41.6	41.0
15	49.2	47.9	47.0	46.2	45.5	44.7	43.9	43.1	42.6	41.7
16	51.4	50.0	49.1	48.3	47.5	46.7	45.7	45.1	44.5	43.8
17	53.7	52.1	50.9	50.0	49.2	48.3	47.2	46.4	45.9	45.1
18	51.4	49.9	48.6	47.4	46.2	45.1	43.9	42.9	42.5	41.6
19	62.8	61.4	60.3	57.9	55.7	48.8	44.7	42.6	41.9	40.9
20	60.7	55.2	51.4	48.8	47.0	45.4	43.7	42.3	41.3	39.6
21	53.2	51.4	50.1	49.1	48.1	47.0	45.5	44.1	43.3	42.1
22	51.2	50.6	49.9	49.5	49.0	48.4	47.7	47.2	46.8	46.4
23	51.3	50.4	49.6	49.0	48.5	47.9	47.2	46.7	46.5	46.3
24	51.4	50.6	49.9	49.2	48.6	47.8	46.9	46.4	46.1	45.3

FIGURE B-16(b). HOURLY NOISE DATA FOR ATLANTA SITE 0403

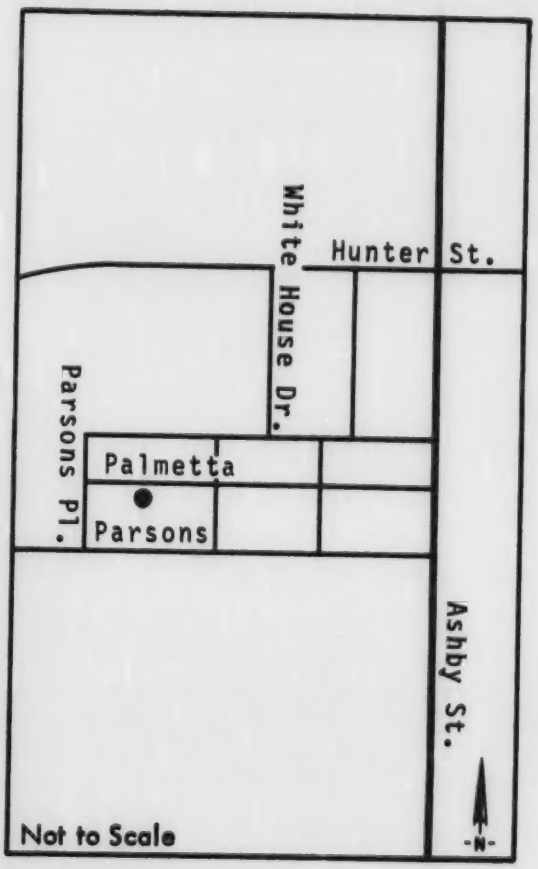
SITE # 403



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	85.0	85.0	0.	57.3
MIN	35.0	41.3	8.	60.5
NPL	75.3	66.1	10.	61.9
SIG	6.7	4.4	12.	63.5
LEQ	58.3	54.8		
TNI	83.8	52.5		
L1	69.6	66.9		
L3	66.2	62.0		
L5	64.7	59.		
L10	61.5	54.9		
L20	56.2	51.5		
L30	52.8	50.		
L40	50.7	49.2		
L50	49.3	48.5		
L60	48.1	47.8		
L70	46.9	47.2		
L80	45.6	46.6		
L90	44.0	45.7		
L95	42.8	45.		
L97	42.1	44.7		
L99	42.8	43.9		

FIGURE B-16(c). DAY/NIGHT NOISE DATA FOR ATLANTA SITE 0403



L_{DN}: 60.7 dB

ρ: 11,200 $\frac{\text{people}}{\text{sq.mi.}}$

SITE: 0404

Address: 1016 Palmetto
Atlanta, GA

Microphone Height: 2.7 m.

Distance to Curb: 3.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

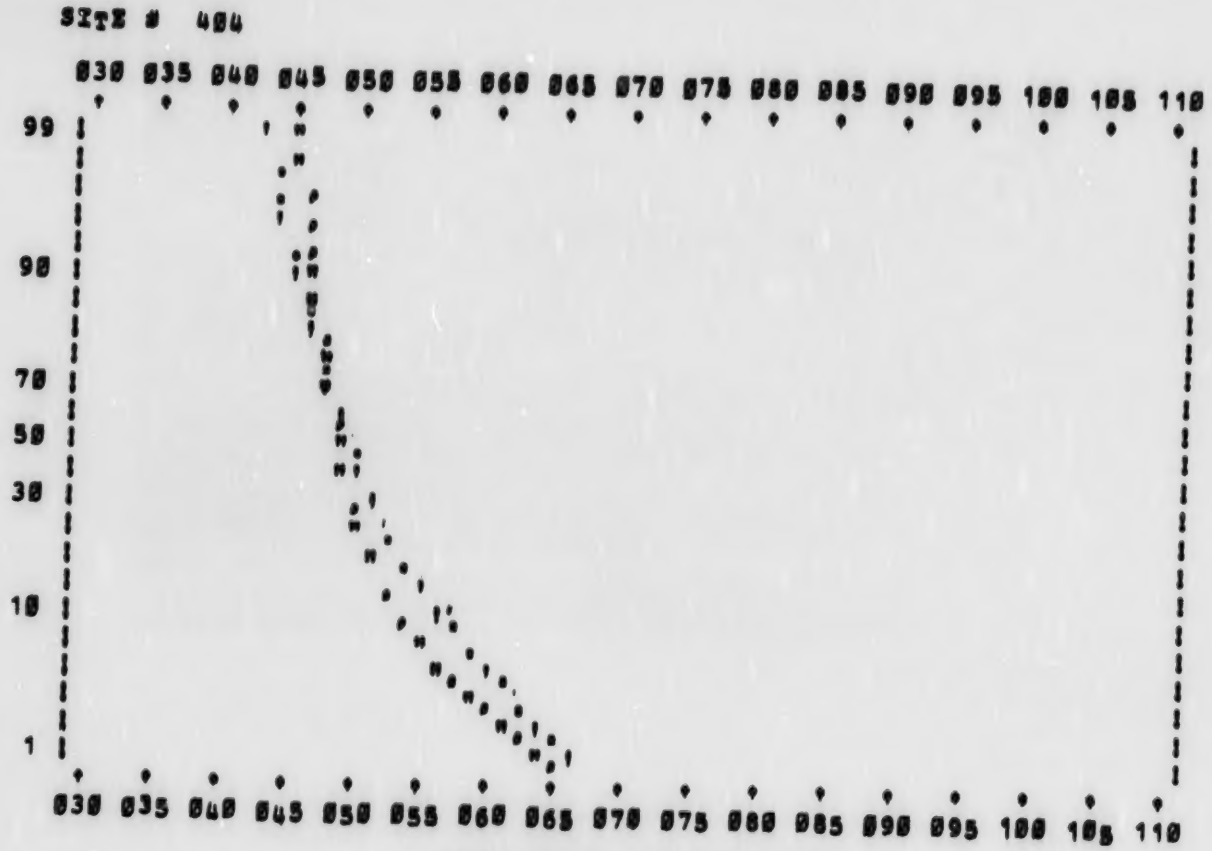
FIGURE B-17(a). DESCRIPTION OF ATLANTA SITE 0404

SITE # 404

HR	MAX	MIN	NPL	SIG	L50	TNI	L1	L3	L5	L10	L20
1	88.0	45.0	64.1	3.9	54.2	51.3	64.6	60.9	58.6	55.7	52.4
2	86.3	43.8	62.2	3.2	53.9	38.1	63.7	58.2	56.0	52.1	50.2
3	78.0	42.5	59.1	3.0	51.4	38.0	64.4	55.3	53.3	51.5	50.0
4	63.8	42.5	55.4	2.4	49.3	36.1	57.7	54.3	52.8	50.8	49.6
5	63.0	42.5	58.1	3.1	50.3	45.1	59.3	56.5	55.0	53.0	50.7
6	72.5	43.8	61.4	3.7	52.0	41.2	64.0	60.7	57.3	52.1	49.4
7	83.0	45.0	71.7	5.2	58.3	65.5	78.2	68.3	65.7	60.1	54.1
8	88.0	46.3	66.0	3.9	56.1	49.9	67.6	62.9	60.0	56.6	53.7
9	77.5	46.3	62.0	3.1	54.2	44.5	63.4	59.0	57.4	55.2	53.4
10	76.3	42.5	64.6	4.0	54.3	55.6	63.8	61.4	59.5	56.5	53.6
11	83.0	48.0	71.6	5.7	56.9	72.0	68.2	64.2	62.5	59.7	56.0
12	97.5	48.0	78.6	6.2	62.6	76.9	69.7	64.7	62.0	60.0	56.1
13	88.0	48.0	72.6	6.3	56.5	77.6	67.0	63.6	62.1	59.9	56.7
14	80.0	38.0	69.1	5.4	55.3	63.2	67.5	61.0	59.3	55.9	52.5
15	76.3	48.0	65.2	4.0	52.9	53.9	66.1	59.7	56.6	53.1	50.2
16	81.3	42.5	70.1	5.1	56.9	67.9	70.0	64.0	60.9	56.1	52.1
17	90.0	42.5	72.5	5.1	59.4	60.3	68.5	62.3	59.7	55.9	51.9
18	82.5	43.0	67.7	4.7	55.7	58.1	67.0	62.1	59.7	56.4	52.3
19	78.0	42.5	65.0	4.2	54.2	50.0	65.9	61.4	58.6	54.6	51.0
20	81.3	45.0	66.4	4.1	55.0	52.3	67.5	62.6	59.1	56.3	53.3
21	85.0	45.0	69.2	4.4	57.9	55.0	69.6	64.7	61.6	57.7	54.0
22	78.0	46.3	58.1	2.1	52.7	36.3	60.1	55.7	54.6	53.5	52.6
23	77.5	46.3	61.5	3.1	53.6	42.2	64.5	59.7	57.2	54.7	52.3
24	73.0	45.0	59.3	2.7	52.3	36.0	63.4	56.0	54.0	52.6	51.2

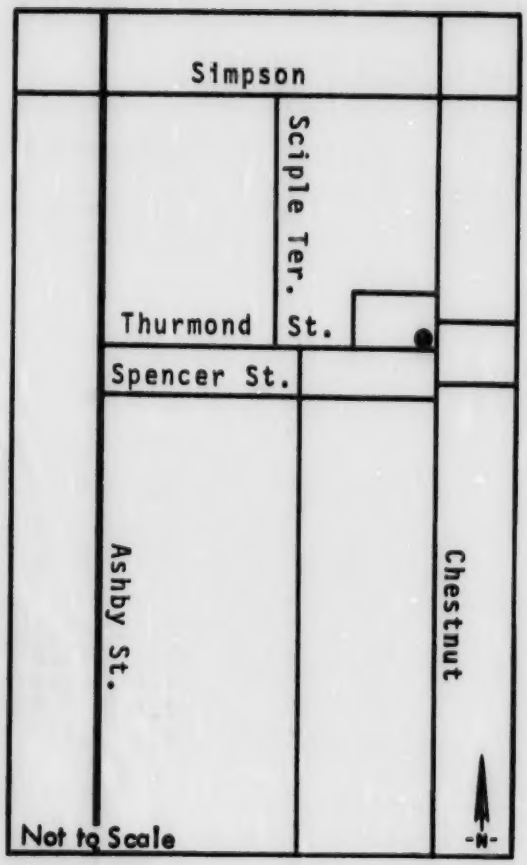
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	50.0	49.0	49.3	48.7	48.2	47.0	47.2	46.7	46.5	46.3
2	49.6	49.1	48.6	48.2	47.0	47.4	46.7	46.4	46.2	45.4
3	49.3	48.7	48.2	47.7	47.2	46.7	46.0	45.5	45.3	45.0
4	48.9	48.4	47.9	47.4	46.9	46.4	45.7	45.3	45.1	44.5
5	49.4	48.6	48.0	47.4	46.9	46.4	45.6	45.2	45.0	44.2
6	48.5	48.1	47.6	47.2	46.0	46.4	45.0	45.3	45.2	44.9
7	52.0	50.9	50.2	49.7	49.3	48.9	48.3	47.9	47.7	47.3
8	52.4	51.6	50.9	50.4	49.0	49.3	48.0	48.1	47.9	47.6
9	52.3	51.6	51.0	50.5	50.0	49.4	48.0	48.2	47.9	47.6
10	52.1	51.0	50.2	49.5	48.0	48.0	46.0	45.0	45.4	44.0
11	53.2	51.3	49.7	48.5	47.5	46.5	45.4	44.5	43.0	42.6
12	53.5	51.7	49.0	48.3	46.0	45.6	44.4	43.6	43.0	42.5
13	53.3	50.1	48.3	47.0	46.0	45.0	44.0	43.2	42.0	41.0
14	50.2	48.5	47.1	46.1	45.2	44.4	43.4	42.7	42.3	41.5
15	48.4	47.1	46.0	45.1	44.4	43.7	42.0	42.3	41.0	41.4
16	50.3	49.2	48.3	47.0	46.0	46.3	45.5	45.1	44.7	44.1
17	49.0	48.5	47.6	46.0	46.3	45.7	45.1	44.6	44.2	43.0
18	50.3	49.0	48.2	47.5	47.0	46.5	45.0	45.3	45.2	44.0
19	49.5	48.6	48.0	47.5	47.1	46.6	46.2	45.6	45.3	45.1
20	51.7	50.7	49.0	49.4	48.0	48.2	47.7	47.1	46.7	46.3
21	53.4	52.0	51.0	51.1	50.2	49.3	48.4	47.0	47.6	46.0
22	52.1	51.6	51.2	50.0	50.4	50.0	49.3	49.0	48.0	48.1
23	51.2	50.0	50.3	49.0	49.0	49.2	48.0	48.2	47.9	47.6
24	50.7	50.2	49.0	49.4	49.0	48.5	47.0	47.5	47.0	46.5

FIGURE B-17(b). HOURLY NOISE DATA FOR ATLANTA SITE 0404



	DAY '.'%	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	97.5	86.3		
MIN	38.8	42.8	0.	56.8
MPL	69.6	63.8	8.	59.3
SIG	4.9	3.7	10.	60.7
LEQ	56.9	53.6	12.	62.2
TNI	61.4	44.9		
L1	67.3	65.4		
L3	62.6	60.8		
L5	60.2	56.9		
L10	56.8	53.6		
L20	53.4	51.1		
L30	51.8	50.2		
L40	50.7	49.6		
L50	49.7	49.0		
L60	48.7	48.4		
L70	47.7	47.9		
L80	46.6	47.3		
L90	45.3	46.5		
L95	44.2	45.8		
L97	43.6	45.4		
L99	42.6	45.1		

FIGURE B-17(c). DAY/NIGHT NOISE DATA FOR ATLANTA SITE 0404



L_{DN}:	67.3	dB
ρ:	5,900	people / sq.mi.

SITE: 0406

Address: 216 Chestnut NW
Atlanta, GA

Microphone Height: 1.2 m.

Distance to Curb: 3.7 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

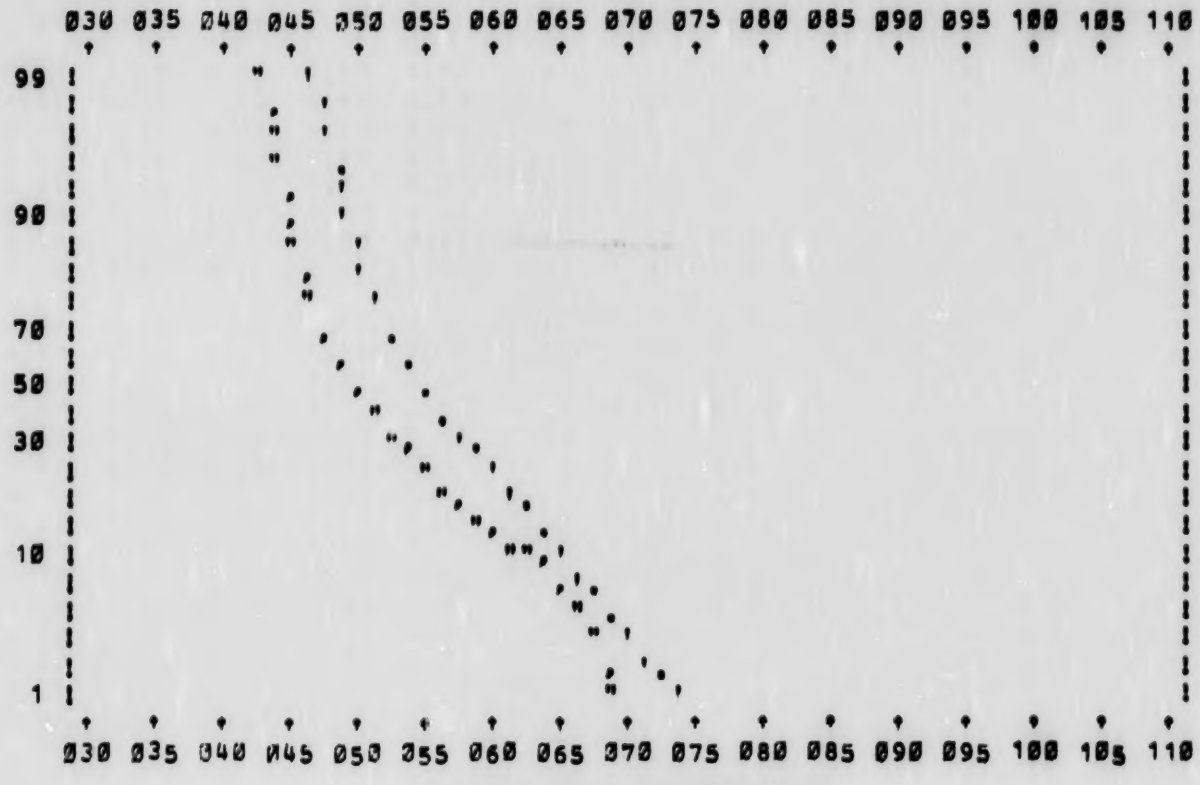
FIGURE B-18(a). DESCRIPTION OF ATLANTA SITE 0406

SITE # 406

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	83.8	41.3	73.1	6.1	57.4	76.6	68.4	65.4	63.6	60.4	56.1
2	83.8	41.3	69.0	5.2	55.7	58.9	67.3	63.3	60.3	55.3	50.5
3	77.5	41.3	68.2	5.2	54.8	59.7	67.4	63.4	59.5	55.2	51.4
4	77.5	41.3	67.8	5.1	54.6	63.5	63.9	59.4	58.0	57.2	56.4
5	93.8	41.3	71.6	5.0	58.8	54.3	69.5	63.1	60.3	55.1	53.4
6	82.5	41.3	63.9	4.0	53.7	45.1	64.6	59.6	56.3	52.6	49.9
7	93.8	45.0	85.8	7.8	65.9	96.0	72.9	69.9	69.3	68.3	67.0
8	93.8	46.3	90.5	8.5	68.7	110.8	79.7	77.3	76.0	73.4	68.8
9											
10	90.0	45.0	74.1	5.6	59.8	74.0	70.9	67.7	65.9	62.4	58.0
11	86.3	45.0	75.8	5.9	60.8	77.2	71.7	67.7	65.8	62.7	57.0
12	97.5	43.8	80.7	6.3	64.5	82.0	73.4	68.8	67.0	64.3	60.6
13	88.8	45.0	77.0	5.9	61.8	76.6	72.2	67.5	65.8	62.9	58.9
14	85.0	43.8	77.0	6.0	61.5	80.7	72.1	68.6	66.9	64.3	60.6
15	87.5	45.0	77.7	6.0	62.3	81.3	72.6	69.0	67.3	64.8	61.1
16	95.0	46.3	79.4	6.2	63.4	83.6	73.3	70.0	68.5	65.6	61.8
17	88.8	46.3	78.6	5.9	63.4	82.5	73.8	70.1	68.7	66.6	63.7
18	97.5	46.3	81.9	6.2	65.9	83.7	74.3	70.0	68.4	66.4	63.2
19	87.5	46.3	78.3	6.2	62.5	83.2	73.6	70.0	68.5	65.6	61.8
20	92.5	46.3	76.9	5.6	62.7	77.6	72.7	68.7	67.3	65.2	62.1
21	82.5	47.5	74.6	5.4	60.8	75.1	71.8	68.4	66.7	64.2	60.2
22	88.8	47.5	75.6	5.4	61.8	76.9	71.2	68.5	67.2	65.1	62.2
23	97.5	46.3	79.0	6.1	63.4	82.9	72.5	69.4	67.9	65.6	61.9
24	73.8	42.5	70.6	5.8	55.7	72.6	66.1	64.2	62.5	59.5	55.7

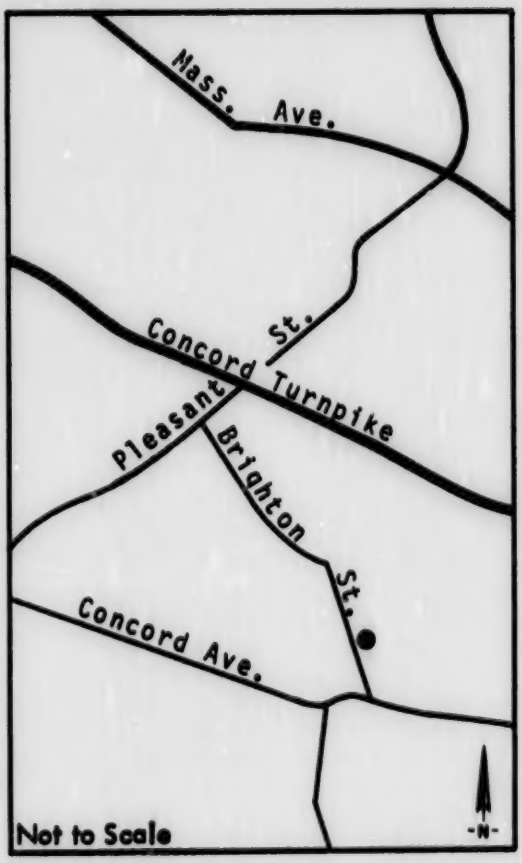
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	53.1	50.8	49.1	47.8	46.7	45.8	45.0	44.3	44.0	43.4
2	48.4	47.3	46.5	45.9	45.4	44.8	44.1	43.8	43.4	42.8
3	49.8	48.3	47.1	46.1	45.3	44.5	43.8	43.1	42.8	42.5
4	55.5	52.3	49.7	48.4	47.2	46.2	45.1	44.2	43.8	42.8
5	52.7	52.0	51.3	49.5	48.0	46.6	45.4	44.6	44.1	43.6
6	48.7	48.0	47.4	46.8	46.3	45.7	45.0	44.3	44.0	43.8
7	65.5	63.7	59.3	54.8	52.2	50.6	49.1	48.2	47.8	46.9
8	63.6	59.4	56.2	54.4	53.2	52.1	50.9	50.1	49.6	48.9
9										
10	55.2	53.5	52.3	51.2	50.4	49.5	48.6	47.9	47.6	46.8
11	54.8	53.2	51.9	50.9	49.9	48.9	47.8	47.1	46.7	46.3
12	57.3	55.0	53.3	52.0	50.8	49.7	48.5	47.7	47.2	46.5
13	55.8	53.7	52.3	51.2	50.2	49.3	48.4	47.8	47.5	46.6
14	57.8	55.6	54.0	52.7	51.3	50.2	48.9	47.9	47.5	46.6
15	58.3	56.3	54.7	53.4	52.1	50.9	49.3	48.3	47.8	46.9
16	59.0	56.8	55.0	53.5	52.1	50.9	49.6	48.9	48.4	47.7
17	61.2	59.1	57.3	55.6	54.1	52.7	51.3	50.3	49.7	48.8
18	60.5	58.2	56.2	54.7	53.3	52.0	50.6	49.7	49.2	48.5
19	58.8	56.6	54.8	53.3	52.1	50.9	49.8	49.0	48.6	47.8
20	59.6	57.6	55.9	54.5	53.3	52.2	51.0	50.2	49.6	48.9
21	57.5	55.5	54.1	53.0	52.2	51.4	50.5	50.0	49.6	49.0
22	59.9	57.9	56.2	54.8	53.5	52.3	51.2	50.4	50.1	49.2
23	59.0	56.7	54.9	53.4	52.2	51.0	49.8	49.0	48.7	47.9
24	52.9	50.1	48.1	47.0	46.2	45.7	45.1	44.5	44.2	43.9

FIGURE B-18(b). HOURLY NOISE DATA FOR ATLANTA SITE 0406



	DAY '.'.	NIGHT ",","	WEIGHTING	WEIGHTED LEQ
MAX	97.5	97.5	0.	62.6
MIN	43.8	41.3	8.	65.9
MFL	79.8	77.6	10.	67.3
SIG	6.3	6.8	12.	68.9
LEQ	63.5	60.3		
TNI	83.4	85.7		
L1	74.9	69.9		
L3	72.3	67.8		
L5	68.2	66.3		
L10	65.4	62.6		
L20	61.6	56.6		
L30	58.6	53.6		
L40	56.3	51.6		
L50	54.6	49.8		
L60	53.2	48.3		
L70	52.0	47.1		
L80	50.8	46.0		
L90	49.4	44.9		
L95	48.5	44.1		
L97	47.9	43.8		
L99	47.0	43.0		

FIGURE B-18(c). DAY/NIGHT NOISE DATA FOR ATLANTA SITE 0406



L_{DN}:	61.2	dB
ρ:	6,200	people / sq.mi.

SITE: 0001
Address: 24 Griswald
Cambridge, MA
Microphone Height: 3.0 m.
Distance to Curb: 9.1 m.

ROADWAY TYPE
At Site: Local
Vicinity: Arterial

TRAFFIC
At Site: Cars
Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

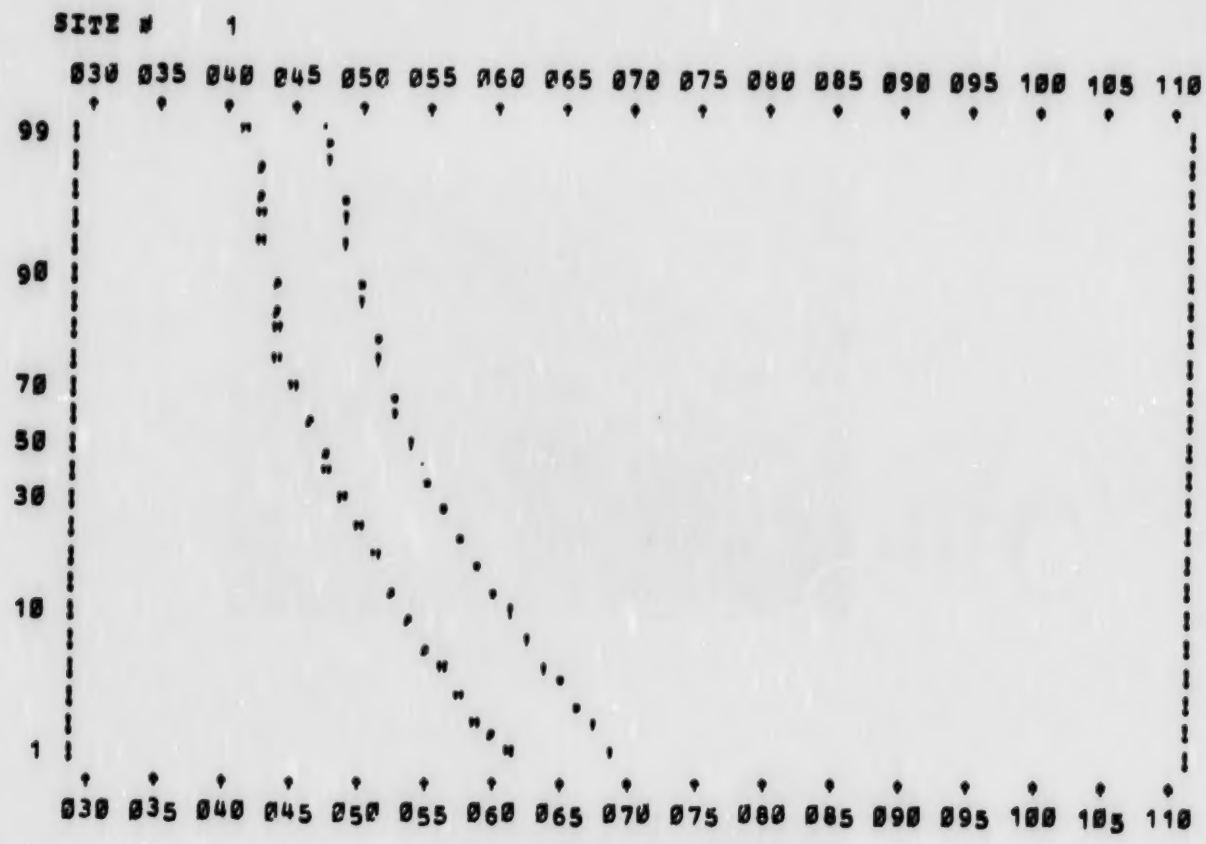
FIGURE 3-19(a). DESCRIPTION OF BOSTON SITE 0001

SITE # 1

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	85.0	42.5	61.2	3.5	52.3	47.7	61.2	56.9	55.5	53.5	51.0
2	71.3	42.5	55.8	2.8	48.7	36.8	57.7	53.4	51.7	49.8	48.1
3	76.3	41.3	55.9	3.1	47.9	36.8	58.1	52.9	50.9	48.7	46.7
4	85.0	41.3	57.8	3.1	50.0	39.7	54.0	52.0	50.0	49.1	47.0
5	82.5	41.3	59.6	3.8	49.9	46.0	58.9	55.8	54.1	51.0	48.5
6	87.5	41.3	61.9	3.2	53.7	40.1	57.3	53.3	51.6	49.8	48.1
7	76.3	43.8	66.8	4.2	56.0	57.7	67.7	63.0	60.8	57.8	55.1
8	85.0	47.5	70.6	4.3	59.5	63.9	70.2	67.0	65.0	62.3	59.2
9	81.3	47.5	69.7	4.2	59.0	62.3	69.6	66.6	64.8	61.9	58.6
10	77.5	45.0	71.8	5.0	59.0	69.4	70.3	67.2	65.4	62.0	58.3
11	86.3	46.3	75.1	5.3	61.4	71.4	73.3	68.3	65.9	62.8	58.8
12	91.3	43.8	75.6	5.6	61.3	75.3	71.5	67.7	65.8	63.0	59.7
13	81.3	43.8	72.3	5.2	58.9	69.9	70.1	66.3	64.4	61.2	57.8
14	81.3	43.8	71.9	4.9	59.2	68.6	70.0	66.4	64.7	61.8	58.0
15	90.0	46.3	69.3	4.2	58.4	62.0	68.9	65.8	63.8	61.0	57.4
16	83.8	47.5	70.8	4.4	59.5	63.2	70.5	66.2	64.4	61.6	58.0
17	83.8	46.3	70.1	4.3	59.2	61.6	69.7	65.8	64.0	61.2	58.5
18	86.3	46.3	70.6	4.3	59.5	63.2	69.8	66.2	64.4	61.8	58.9
19	98.8	46.3	76.7	5.1	63.6	67.7	72.3	67.3	65.1	62.0	58.6
20	88.8	45.0	70.5	4.5	58.9	64.1	69.3	66.0	64.3	61.1	57.6
21	83.8	46.3	63.9	3.4	55.1	50.4	64.6	61.5	59.8	57.0	54.6
22	82.5	43.8	66.3	4.2	55.5	57.4	65.4	62.4	60.6	57.6	54.9
23	78.8	43.8	64.6	4.0	54.5	55.1	65.3	60.1	58.5	56.6	53.7
24	90.0	43.8	65.1	3.7	55.5	48.1	64.5	59.8	57.6	54.6	52.2

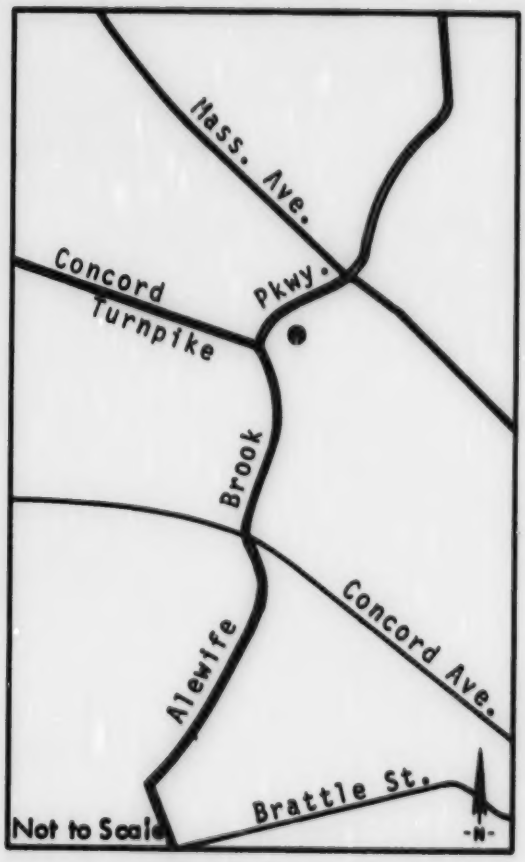
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	49.7	48.7	47.9	47.2	46.6	46.0	45.4	45.0	44.6	44.0
2	47.1	46.4	45.9	45.5	45.1	44.6	44.1	43.9	43.8	43.1
3	45.7	44.9	44.2	43.7	43.3	43.0	42.6	42.2	41.8	41.4
4	45.3	44.4	43.7	43.4	43.1	42.7	42.3	41.8	41.6	41.4
5	47.0	46.0	44.9	44.2	43.6	43.1	42.6	42.1	41.7	41.4
6	47.0	46.2	45.5	44.8	44.3	43.8	43.1	42.7	42.5	41.8
7	53.7	52.7	51.9	51.2	50.3	49.2	47.8	46.9	46.4	45.4
8	57.2	56.0	55.0	54.2	53.5	52.7	51.7	51.2	50.7	50.1
9	56.9	55.8	54.9	54.2	53.5	52.8	51.7	51.0	50.4	49.4
10	56.1	54.8	53.7	52.8	51.8	50.8	49.5	48.6	48.0	47.1
11	56.6	55.2	54.0	53.0	52.0	51.0	49.9	49.1	48.8	47.8
12	57.7	56.0	54.4	52.9	51.6	50.4	48.9	47.9	47.5	46.5
13	55.6	54.0	52.9	51.9	50.9	49.7	48.2	47.3	46.7	45.8
14	55.8	54.4	53.3	52.4	51.6	50.7	49.5	48.8	48.1	47.1
15	55.6	54.5	53.7	53.0	52.4	51.6	50.7	50.0	49.4	48.8
16	55.9	54.8	54.0	53.3	52.6	51.9	51.1	50.4	50.1	49.2
17	57.1	55.9	54.9	54.0	53.2	52.2	51.1	50.2	49.7	48.9
18	57.3	56.0	55.0	54.2	53.3	52.5	51.4	50.3	49.7	48.8
19	56.7	55.2	54.1	53.1	52.1	51.2	50.2	49.3	48.9	48.0
20	55.8	54.6	53.6	52.8	52.0	51.3	50.2	49.3	48.9	47.9
21	53.4	52.6	51.9	51.3	50.7	50.0	49.2	48.8	48.3	47.8
22	53.3	52.1	51.1	50.2	49.3	48.5	47.6	46.9	46.6	46.2
23	52.1	51.0	50.2	49.4	48.7	48.0	47.1	46.6	46.4	45.6
24	51.1	50.2	49.5	48.8	48.2	47.6	46.8	46.4	46.1	45.3

FIGURE B-19(b). HOURLY NOISE DATA FOR BOSTON SITE 0001



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	98.8	90.0	0.	58.1
MIN	43.8	41.3	8.	60.2
NPL	71.9	64.2	10.	61.2
SIG	4.8	4.4	12.	62.4
LEQ	59.7	52.9		
TNI	66.2	54.8		
L1	70.0	62.5		
L3	66.3	58.0		
L5	64.4	56.1		
L10	61.4	53.6		
L20	58.1	51.1		
L30	56.1	49.5		
L40	54.8	48.3		
L50	53.8	47.2		
L60	52.9	46.2		
L70	52.0	45.1		
L80	51.1	44.1		
L90	49.8	43.1		
L95	48.8	42.7		
L97	48.1	42.4		
L99	47.1	41.6		

FIGURE B-19(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0001



L_{DN}:	68.9	dB
ρ:	12,500	people / sq.mi.

SITE: 0002
Address: 93 Rice
Cambridge, MA
Microphone Height: 1.8 m.
Distance to Curb: 12.2 m.

ROADWAY TYPE
At Site: Local
Vicinity: Collector

TRAFFIC
At Site: Cars
Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

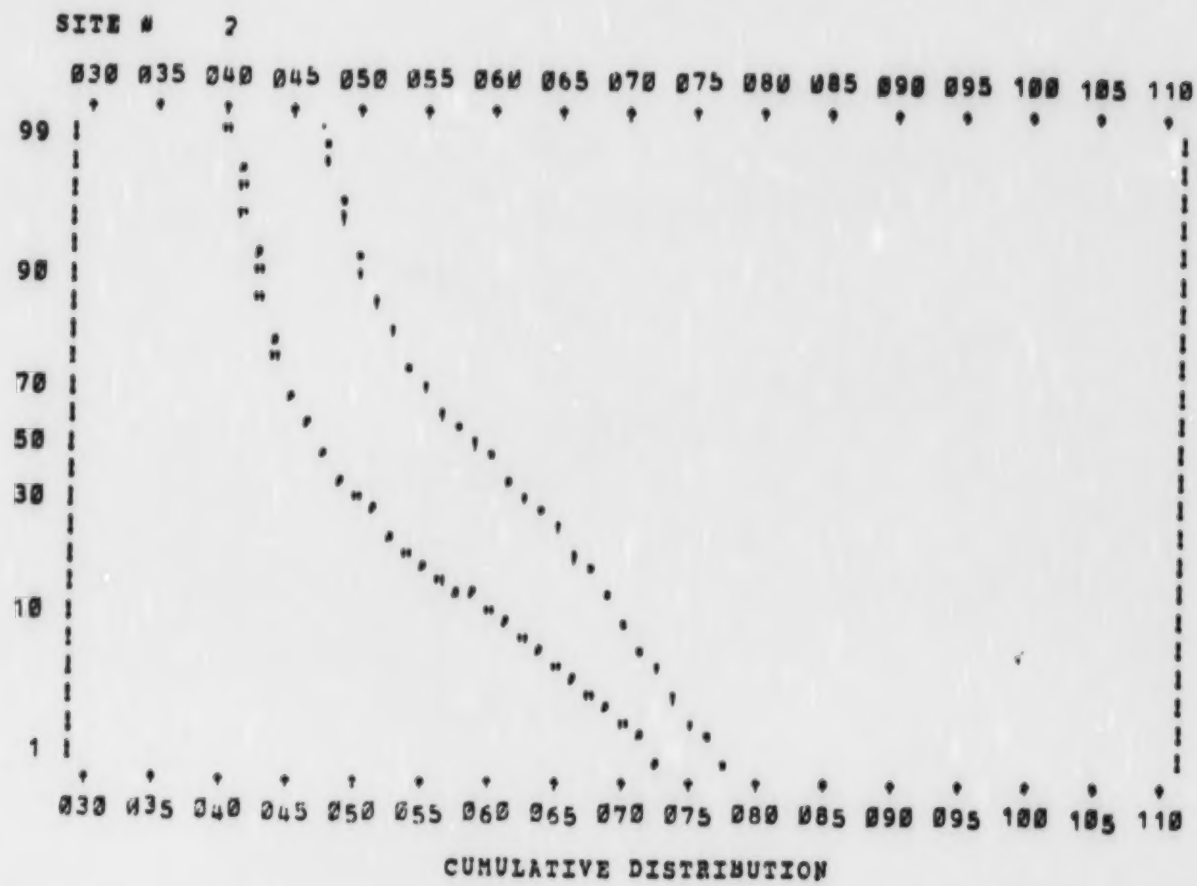
FIGURE B-20(a). DESCRIPTION OF BOSTON SITE 0002

SITE # 2

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	91.3	41.3	82.1	7.6	62.7	96.0	74.4	71.1	69.4	66.1	60.9
2	88.8	40.0	76.9	6.4	60.5	72.7	73.5	68.0	64.7	59.2	53.6
3	83.8	38.8	73.7	6.2	57.8	67.1	71.2	65.7	61.8	56.5	51.3
4	77.5	37.5	63.6	4.4	52.3	41.7	65.3	56.7	52.5	48.7	45.9
5	80.0	37.5	62.5	4.1	51.9	43.0	62.5	56.6	53.3	49.6	46.8
6	85.0	37.5	64.2	4.1	53.7	38.1	65.8	54.4	51.2	48.2	46.0
7	83.8	38.8	72.9	5.8	58.0	55.1	70.5	65.1	60.5	53.2	48.9
8	86.3	42.5	80.1	6.8	62.7	87.8	74.4	70.9	68.9	65.6	60.7
9	87.5	46.3	83.6	6.8	66.2	92.4	76.8	73.5	71.9	69.7	67.1
10	101.2	43.8	88.9	7.1	70.7	93.3	78.5	74.2	72.4	70.0	67.2
11	95.0	42.5	88.0	7.8	68.1	100.4	77.7	74.0	72.2	69.4	65.9
12	92.5	42.5	85.3	7.2	66.8	94.8	77.7	74.2	72.2	69.1	65.3
13	93.8	46.3	87.2	7.5	67.9	98.5	79.1	75.0	73.2	70.2	66.5
14	105.0	46.3	90.8	7.6	71.3	97.1	80.7	75.4	73.0	69.7	66.0
15	90.0	45.0	83.8	7.0	66.0	94.1	76.8	73.6	72.0	69.3	65.8
16	97.5	43.8	86.9	7.2	68.3	95.3	77.6	73.9	72.1	69.2	65.6
17	90.0	43.8	84.3	7.0	66.3	95.4	76.9	73.4	71.8	69.3	66.0
18	95.0	45.0	86.6	7.1	68.5	97.5	78.0	75.3	73.8	71.8	69.2
19	88.8	45.0	86.0	7.1	67.7	97.8	78.3	75.2	73.7	71.5	68.5
20	93.8	45.0	83.3	6.8	65.8	92.9	76.1	73.3	71.7	69.2	66.0
21	91.3	45.0	85.5	7.0	67.6	95.5	78.3	74.7	73.1	70.6	67.3
22	91.3	43.8	82.7	7.0	64.8	91.3	74.7	71.7	70.1	67.1	62.7
23	88.8	42.5	81.7	7.2	63.2	92.8	74.8	71.6	69.8	66.5	61.6
24	93.8	42.5	83.4	7.4	64.5	93.8	75.7	71.7	69.6	66.6	62.8

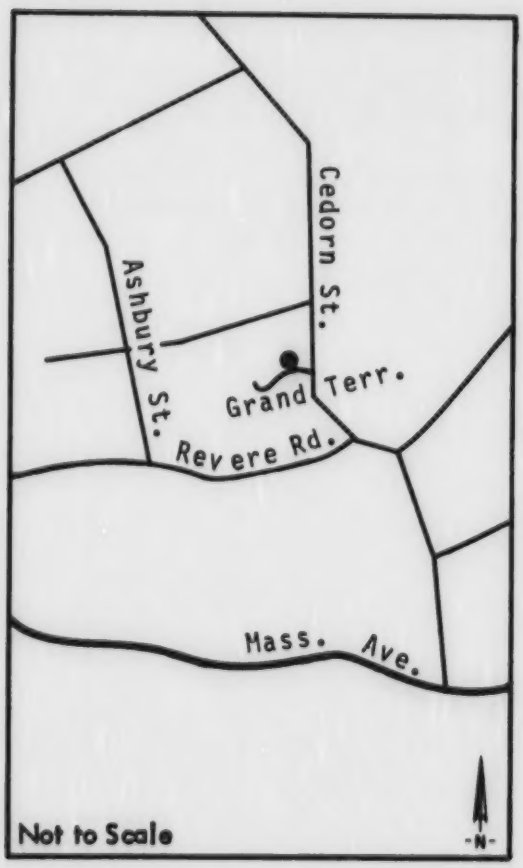
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.9	54.0	52.4	50.6	49.0	47.5	46.2	45.3	44.9	44.0
2	50.9	49.4	48.3	47.4	46.6	45.7	44.7	44.0	43.6	42.7
3	48.8	47.1	46.1	45.3	44.5	43.8	42.9	42.3	41.8	41.3
4	44.8	44.1	43.5	42.9	42.4	41.8	41.0	40.4	40.2	39.5
5	45.6	44.8	44.2	43.6	43.1	42.6	41.8	41.3	40.8	40.1
6	44.9	44.4	43.8	43.3	42.8	42.3	41.6	41.2	40.7	40.1
7	47.1	46.1	45.3	44.6	44.0	43.3	42.6	41.9	41.6	41.3
8	57.4	54.8	53.1	51.7	50.6	49.5	48.2	47.2	46.6	45.6
9	64.9	62.4	60.0	57.9	55.9	54.1	52.2	50.7	49.9	48.9
10	64.7	62.3	60.1	58.1	56.1	54.3	52.2	50.6	49.5	47.5
11	63.1	60.6	58.2	55.9	53.9	51.8	49.1	47.5	46.5	45.3
12	62.3	59.8	57.6	55.6	53.7	52.1	50.5	49.5	48.9	47.9
13	63.4	60.8	58.3	56.1	54.2	52.5	50.7	49.7	49.1	48.4
14	63.1	60.5	58.2	56.1	54.2	52.4	50.6	49.5	48.9	47.9
15	63.0	60.7	58.6	56.5	54.6	52.8	51.1	50.0	49.4	48.5
16	63.2	60.8	58.6	56.6	54.7	52.7	50.5	49.0	48.2	47.1
17	63.4	61.2	59.3	57.5	55.4	53.1	50.7	49.2	48.5	47.5
18	66.8	64.7	62.5	60.3	58.1	55.9	53.2	51.5	50.4	48.9
19	66.2	63.9	61.9	59.8	57.6	55.3	52.7	51.1	50.0	47.9
20	63.4	61.0	58.9	56.8	55.0	53.3	51.3	50.0	49.2	48.1
21	64.9	62.8	60.8	58.7	56.5	54.5	52.4	50.8	50.0	48.9
22	59.0	56.3	54.4	52.9	51.8	50.6	49.1	48.0	47.5	46.5
23	57.7	54.8	52.9	51.5	50.2	49.1	47.8	46.8	46.4	45.4
24	58.0	54.9	53.1	51.6	50.4	49.0	47.6	46.6	46.2	45.3

FIGURE B-20(b). HOURLY NOISE DATA FOR BOSTON SITE 0002



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	105.0	93.8	0.	66.2
MIN	42.5	37.5	8.	68.0
NPL	86.7	79.3	10.	68.9
SIG	7.4	7.4	12.	70.1
LEQ	67.8	60.3		
TNI	97.3	85.0		
L1	77.6	72.8		
L3	74.1	68.5		
L5	72.4	65.9		
L10	69.8	62.6		
L20	66.5	54.		
L30	63.7	51.0		
L40	61.2	48.8		
L50	58.9	47.		
L60	56.8	45.7		
L70	54.7	44.6		
L80	52.8	43.6		
L90	50.7	42.5		
L95	49.3	41.7		
L97	48.5	41.3		
L99	47.1	40.4		

FIGURE B-20(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0002



L_{DN}:	59.6	dB
ρ:	2,000	people / sq.mi.

SITE: 0003
Address: 3 Garrard
Lexington, MA
Microphone Height: 9.1 m.
Distance to Curb: 15.2 m.

ROADWAY TYPE
At Site: Local
Vicinity: Local

TRAFFIC
At Site: Cars
Vicinity: Cars

OTHER NOISE SOURCES:

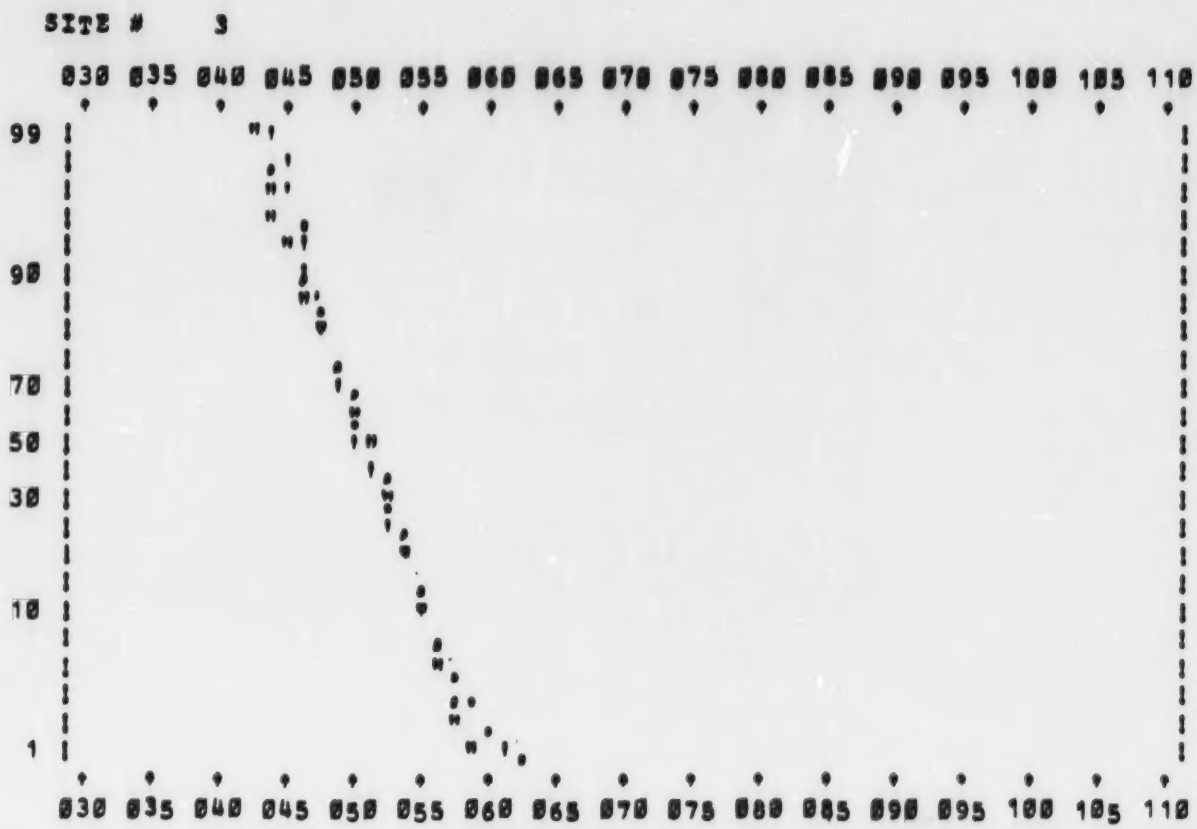
FIGURE B-21(a). DESCRIPTION OF BOSTON SITE 0003

SITE # 3

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	70.0	46.3	59.4	2.3	53.5	43.5	59.2	57.7	57.0	55.9	54.8
2	63.8	45.0	57.2	2.3	51.4	40.7	57.3	55.7	54.8	53.7	52.5
3	65.0	43.8	57.2	2.5	50.8	42.7	57.1	55.6	54.7	53.4	52.0
4	60.0	41.3	56.5	3.2	48.3	47.1	55.3	53.7	52.9	51.6	49.8
5	67.5	41.3	57.5	3.2	49.4	46.3	57.3	55.0	53.8	52.3	50.5
6	68.8	42.5	60.2	3.3	51.8	50.8	58.3	56.7	55.9	54.7	53.2
7	71.3	45.0	62.2	2.7	55.3	45.7	62.5	60.0	58.6	57.3	56.1
8	76.3	50.0	62.0	2.2	56.4	40.6	62.9	59.8	58.6	57.4	56.3
9	75.0	47.5	59.1	2.1	53.7	40.3	60.6	58.0	57.0	55.6	54.2
10	72.5	45.0	59.8	2.8	52.6	45.6	60.1	57.8	56.7	55.1	53.5
11	66.3	43.8	58.4	2.9	51.0	44.6	59.0	56.7	55.3	53.6	51.9
12	85.0	42.5	58.8	3.3	50.4	45.6	58.7	56.1	54.7	52.6	50.1
13	76.3	42.5	66.1	4.4	54.9	54.2	67.3	61.1	58.1	55.4	53.0
14	72.5	41.3	58.5	3.0	50.7	45.2	58.6	55.7	54.6	53.1	51.5
15	80.0	43.8	59.8	3.1	52.0	46.8	58.7	56.6	55.6	54.2	52.6
16	83.8	45.0	68.9	4.1	56.4	48.9	69.1	61.2	58.4	55.7	53.7
17	76.3	42.5	62.1	3.6	52.9	49.8	61.9	58.3	56.9	54.8	52.7
18	88.8	42.5	72.6	4.9	60.0	54.0	73.6	63.4	59.7	56.1	53.4
19	77.5	43.8	62.6	3.6	53.4	46.8	65.3	58.0	56.1	54.1	52.1
20	86.3	43.8	69.5	3.9	59.5	45.7	69.1	58.9	56.8	54.8	53.1
21	76.3	45.0	58.3	2.4	52.0	42.4	58.8	56.6	55.8	54.5	53.0
22	82.5	50.0	62.2	2.3	56.3	41.7	62.8	59.8	58.7	57.3	56.0
23	70.0	48.8	59.7	2.1	54.4	39.9	61.2	58.4	57.3	56.1	54.9
24	68.8	48.8	59.3	1.9	54.4	40.1	59.7	58.1	57.3	56.3	55.3

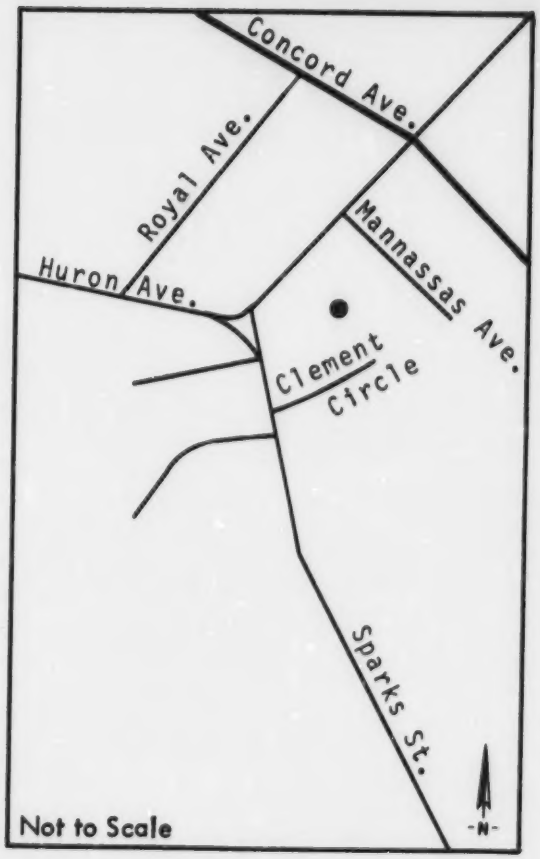
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	54.0	53.3	52.7	52.1	51.5	50.8	50.1	49.3	49.0	48.3
2	51.8	51.1	50.6	50.0	49.4	48.8	48.0	47.6	47.0	46.4
3	51.1	50.3	49.6	49.0	48.4	47.8	47.0	46.5	46.3	45.6
4	48.4	47.2	46.2	45.4	44.6	43.9	43.1	42.7	42.4	41.6
5	49.2	48.1	47.3	46.6	46.0	45.3	44.3	43.7	43.2	42.7
6	52.2	51.3	50.5	49.6	48.7	47.5	46.0	45.1	44.5	43.9
7	55.4	54.8	54.3	53.8	53.2	52.5	51.2	49.4	48.8	47.8
8	55.8	55.3	54.9	54.5	54.1	53.8	53.0	52.6	52.3	51.6
9	53.5	53.0	52.5	52.1	51.7	51.3	50.6	50.3	50.1	49.6
10	52.4	51.6	51.0	50.4	49.8	49.2	48.3	47.7	47.4	46.6
11	50.8	49.9	49.3	48.6	48.0	47.4	46.6	46.0	45.6	45.1
12	48.6	47.6	47.0	46.4	45.9	45.4	44.9	44.3	44.1	43.8
13	51.4	50.3	49.4	48.6	47.8	46.9	45.8	45.2	44.8	44.0
14	50.4	49.6	48.8	48.1	47.4	46.7	45.7	45.1	44.5	43.8
15	51.5	50.6	49.8	49.1	48.4	47.7	46.7	46.0	45.5	45.0
16	52.7	51.9	51.1	50.3	49.6	48.9	48.0	47.5	46.9	46.4
17	51.3	50.4	49.6	48.9	48.2	47.6	46.5	45.6	45.2	44.4
18	51.8	50.7	49.8	49.2	48.5	47.8	46.8	46.3	45.6	44.8
19	50.9	49.9	49.2	48.5	47.9	47.3	46.6	46.1	45.6	45.1
20	52.0	51.2	50.6	50.0	49.4	48.8	47.8	47.1	46.5	45.6
21	51.9	51.1	50.5	50.0	49.5	49.1	48.5	48.0	47.7	47.5
22	55.2	54.7	54.2	53.8	53.4	53.0	52.5	51.9	51.6	51.4
23	54.3	53.7	53.3	52.9	52.5	52.0	51.5	51.2	50.7	50.2
24	54.7	54.2	53.7	53.3	52.8	52.4	51.6	51.3	50.8	50.2

FIGURE B-21(b). HOURLY NOISE DATA FOR BOSTON SITE 0003



	DAY '.',	NIGHT ".",	WEIGHTING	WEIGHTED LEQ
MAX	88.8	71.3	0.	54.6
MIN	41.3	41.3	0.	58.2
NPL	65.2	62.1	10.	59.6
SIG	3.8	3.7	12.	61.2
LEQ	55.4	52.7		
TNI	52.1	54.1		
L1	63.0	59.4		
L3	58.5	57.4		
L5	57.1	56.6		
L10	55.6	55.5		
L20	53.9	54.2		
L30	52.7	53.3		
L40	51.6	52.5		
L50	50.6	51.6		
L60	49.7	50.6		
L70	48.9	49.3		
L80	47.9	47.9		
L90	46.7	46.0		
L95	45.8	44.6		
L97	45.3	43.9		
L99	44.5	42.9		

FIGURE B-21(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0003



L_{DN}:	59.6	dB
ρ:	8,100	people / sq.mi.

SITE: 0004

Address: 5 Clement Cr.
Cambridge, MA

Microphone Height: 7.6 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

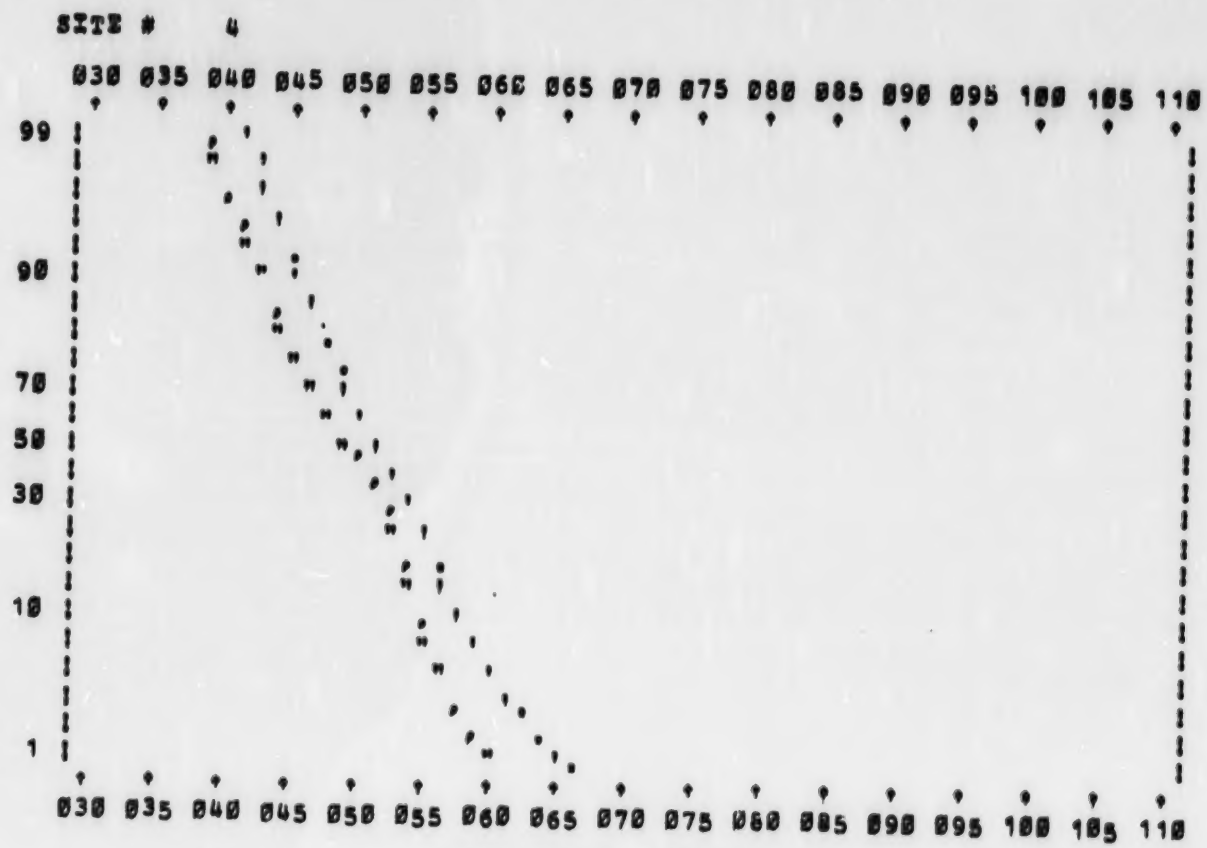
FIGURE B-22(a). DESCRIPTION OF BOSTON SITE 0004

SITE # 4

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	70.0	47.5	59.6	2.2	54.0	40.6	61.1	58.5	57.2	55.8	54.5
2	68.8	46.3	58.7	2.3	52.8	39.9	61.1	57.3	56.0	54.5	53.2
3	76.3	45.0	56.0	2.2	50.3	37.8	56.8	54.5	53.5	52.2	50.7
4	62.5	41.3	54.6	2.5	48.1	38.4	55.8	53.1	51.9	50.2	48.7
5	63.8	41.3	52.4	2.2	46.7	32.9	54.6	51.1	49.8	48.4	47.1
6	65.0	37.5	50.1	2.3	44.3	31.3	51.5	48.2	47.1	46.0	44.9
7	68.8	35.0	57.0	4.1	46.5	47.3	57.6	52.6	50.8	48.3	45.7
8	65.0	37.5	56.9	3.7	47.5	48.1	56.4	53.6	52.3	50.6	48.5
9	68.8	38.8	60.9	4.0	50.6	54.7	59.5	57.0	55.6	53.7	51.6
10	70.0	40.0	64.9	4.6	53.1	62.8	61.9	60.0	58.7	56.7	54.4
11	77.5	42.5	66.4	4.1	55.8	57.6	65.3	61.7	59.9	57.8	55.8
12	76.3	41.3	66.3	4.3	55.1	58.5	65.7	61.8	59.9	57.3	55.0
13	83.8	41.3	71.3	5.2	57.9	68.3	69.0	64.6	62.7	59.5	56.2
14	82.5	38.8	74.0	5.6	59.6	69.4	72.6	66.7	63.6	60.1	56.8
15	82.5	40.0	70.4	5.1	57.2	64.2	68.8	63.2	61.0	57.9	55.1
16	85.0	41.3	70.4	4.7	58.3	60.6	69.1	62.5	60.7	58.3	56.0
17	77.5	40.0	66.4	4.2	55.6	58.9	65.3	61.2	59.8	57.6	55.4
18	77.5	38.8	65.1	4.1	54.7	57.6	63.7	60.4	59.0	57.1	55.3
19	83.8	41.3	71.2	5.0	58.4	64.7	69.5	64.3	62.2	59.4	56.9
20	82.5	41.3	71.7	5.2	58.4	68.4	68.8	64.8	62.7	59.9	56.9
21	70.0	40.0	65.2	4.3	54.3	59.8	62.9	60.5	59.2	57.3	55.5
22	78.8	51.3	63.1	2.2	57.5	42.9	64.7	62.0	60.6	58.9	57.7
23	72.5	50.0	61.4	2.2	55.7	39.8	64.3	60.1	58.5	57.0	55.8
24	77.5	47.5	63.5	2.9	56.1	44.9	66.4	61.0	59.3	57.2	55.4

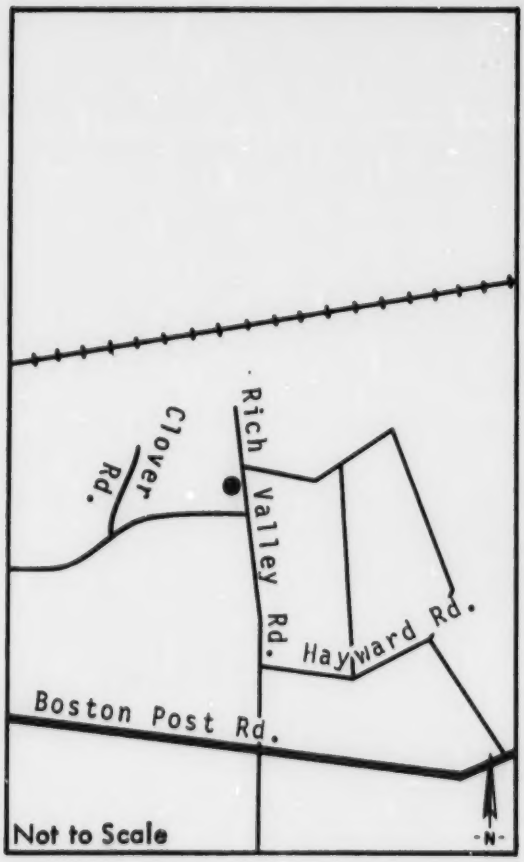
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	53.7	53.2	52.8	52.3	51.9	51.5	50.8	50.4	50.2	49.6
2	52.4	51.9	51.4	50.9	50.5	50.1	49.4	49.0	48.9	48.3
3	49.8	49.3	48.7	48.4	48.0	47.6	47.0	46.6	46.4	46.2
4	48.0	47.4	46.9	46.4	45.8	45.2	44.2	43.6	43.1	42.6
5	46.2	45.8	45.3	44.9	44.5	44.1	43.6	43.0	42.8	42.5
6	44.3	43.7	43.2	42.8	42.2	41.7	40.9	40.3	40.0	39.1
7	44.5	43.7	42.7	41.4	40.4	39.5	38.6	37.9	37.7	37.0
8	46.8	45.6	44.7	44.0	43.3	42.6	41.5	40.5	40.0	39.1
9	50.2	49.0	47.9	46.9	45.7	44.6	43.3	42.6	42.1	41.5
10	52.7	51.2	49.8	48.5	47.2	45.9	44.6	44.0	43.5	42.7
11	54.4	53.3	52.2	51.2	50.2	49.2	47.9	46.8	46.2	45.1
12	53.5	52.3	51.3	50.4	49.4	48.3	46.9	45.8	45.1	44.0
13	54.5	53.1	52.0	50.9	49.7	48.3	46.5	45.3	44.6	43.8
14	55.0	53.6	52.4	51.3	50.1	48.8	47.0	45.0	44.7	43.0
15	53.4	52.1	50.9	49.8	48.6	47.4	45.8	44.7	44.0	42.9
16	54.6	53.4	52.4	51.4	50.3	49.1	47.5	46.2	45.5	44.2
17	54.0	52.9	52.0	51.0	50.0	48.8	47.2	46.3	45.6	44.7
18	54.0	52.9	52.0	51.1	50.1	48.8	47.0	45.7	45.0	43.4
19	55.4	54.2	53.2	52.1	50.9	49.5	47.7	46.1	45.2	43.9
20	55.0	53.7	52.6	51.5	50.3	49.0	47.1	45.7	44.8	43.4
21	54.3	53.2	52.1	51.0	49.8	48.4	46.5	44.9	44.0	42.7
22	57.1	56.6	56.1	55.7	55.3	55.0	54.3	53.9	53.8	53.1
23	55.1	54.7	54.3	54.0	53.6	53.1	52.7	52.4	51.9	51.5
24	54.6	54.1	53.6	53.1	52.7	52.1	51.4	50.7	50.4	50.1

FIGURE B-22(b). HOURLY NOISE DATA FOR BOSTON SITE 0004



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	85.0	77.5	0.	55.3
MIN	37.5	35.0	8.	58.3
MPL	69.5	65.1	10.	59.6
SIG	5.1	5.0	12.	61.1
LEQ	56.5	52.2		
TWI	65.5	61.6		
L1	66.4	60.7		
L3	62.2	57.4		
L5	60.3	56.2		
L10	58.0	54.9		
L20	55.8	53.6		
L30	54.4	52.5		
L40	53.0	51.2		
L50	51.7	49.5		
L60	50.5	47.7		
L70	49.1	46.0		
L80	47.6	44.4		
L90	45.4	42.7		
L95	44.0	40.9		
L97	43.1	39.9		
L99	41.7	38.4		

FIGURE B-22(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0004



L_{DN}:	57.0	dB
ρ:	1,000	people / sq.mi.

SITE: 0005

Address: 28 Rich Valley Rd.
Wayland, MA

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

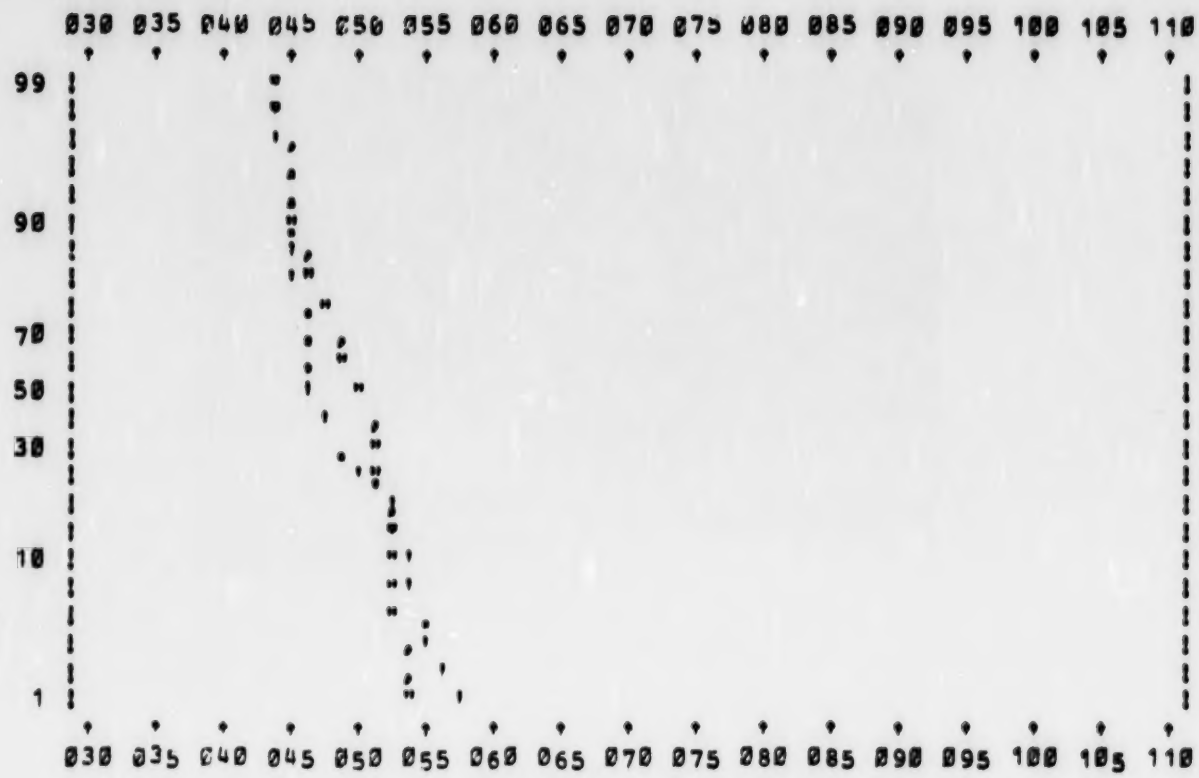
FIGURE B-23(a). DESCRIPTION OF BOSTON SITE 0005

SITE # 5

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	71.3	48.8	55.5	1.2	52.6	29.0	55.8	53.7	53.6	53.2	52.6
2	71.3	48.8	53.9	1.0	51.4	28.3	53.3	52.5	52.4	52.2	51.8
3	65.0	47.5	53.0	1.0	50.5	27.5	52.8	52.2	51.9	51.2	51.0
4	52.5	47.5	50.8	0.6	49.3	24.8	51.1	50.7	50.2	49.9	49.8
5	51.3	45.0	49.9	0.7	48.1	25.1	49.9	49.7	49.5	48.9	48.6
6	68.8	43.8	49.6	1.2	46.5	25.3	50.3	48.0	47.5	47.3	47.0
7	71.3	43.8	48.0	1.1	45.3	22.6	49.2	47.4	46.8	46.1	45.8
8	57.5	42.5	48.5	1.3	45.3	22.5	51.0	48.7	47.2	46.1	45.5
9	63.8	43.8	54.7	2.4	48.5	33.3	56.2	53.7	52.1	49.8	48.3
10	76.3	43.8	59.2	3.2	50.9	39.9	60.5	56.5	54.5	51.4	48.7
11	68.8	43.8	56.5	2.8	49.3	39.4	58.6	55.3	53.6	51.3	49.0
12	71.3	43.8	58.3	3.1	50.3	45.4	59.4	56.8	55.3	53.0	50.4
13	65.0	43.8	55.9	2.7	49.0	39.1	57.7	55.1	53.7	51.3	49.1
14	71.3	43.8	55.8	2.7	48.9	37.9	57.7	55.2	53.5	50.9	48.6
15	72.5	43.8	55.0	2.4	48.8	38.4	56.2	53.8	52.9	51.1	49.1
16	62.5	43.8	52.0	1.9	47.0	30.5	53.8	51.5	50.2	48.5	47.2
17	73.8	42.5	59.6	3.6	50.2	47.0	61.5	56.8	54.7	52.4	49.7
18	80.0	43.8	65.5	4.6	53.7	53.3	65.2	61.6	58.6	54.6	50.1
19	67.5	42.5	50.7	1.7	46.4	25.8	53.4	50.4	48.6	47.1	46.2
20	71.3	43.8	58.2	3.2	50.2	46.4	57.8	55.1	54.4	53.1	51.5
21	63.8	50.0	56.7	1.0	54.2	31.9	57.0	56.1	55.8	55.0	54.8
22	72.5	50.0	56.4	1.0	53.8	31.0	56.6	55.0	54.9	54.7	54.3
23	65.0	50.0	54.9	0.8	53.0	29.6	55.0	54.6	54.2	53.7	53.5
24	65.0	50.0	54.5	0.8	52.5	29.7	54.7	53.7	53.7	53.5	53.2

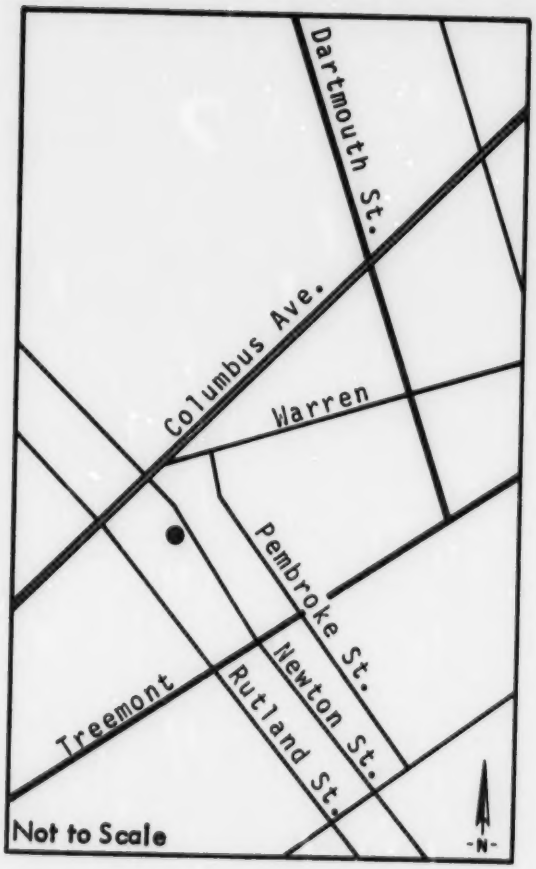
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	52.3	52.2	52.0	51.8	51.7	51.5	51.3	50.9	50.6	50.2
2	51.5	51.2	51.0	50.8	50.6	50.4	50.2	50.1	50.0	49.5
3	50.8	50.6	50.4	50.2	49.9	49.5	49.1	48.9	48.8	48.8
4	49.6	49.5	49.3	49.1	49.0	48.8	48.3	47.9	47.7	47.6
5	48.4	48.2	48.1	47.9	47.7	47.5	46.9	46.6	46.4	46.3
6	46.7	46.4	46.1	45.8	45.5	45.2	44.6	44.2	44.0	43.8
7	45.4	45.0	44.8	44.6	44.4	44.2	44.0	43.9	43.8	43.8
8	45.0	44.8	44.6	44.5	44.3	44.1	43.9	43.8	43.8	43.8
9	47.5	47.1	46.7	46.4	46.0	45.7	45.3	45.2	45.1	45.0
10	47.6	47.1	46.6	46.2	45.9	45.6	45.3	45.1	45.1	45.0
11	47.9	47.2	46.8	46.3	46.0	45.6	45.3	45.1	45.1	45.0
12	49.1	48.3	47.7	47.2	46.7	46.2	45.6	45.3	45.1	45.0
13	48.1	47.3	46.9	46.5	46.1	45.7	45.3	45.2	45.1	45.0
14	47.7	47.1	46.6	46.2	45.9	45.5	45.2	45.0	44.7	44.1
15	48.3	47.7	47.2	46.8	46.4	45.9	45.3	45.0	44.6	44.0
16	46.6	46.1	45.9	45.6	45.4	45.1	44.6	44.2	44.0	43.8
17	48.1	46.8	46.1	45.6	45.2	44.7	44.2	44.0	43.9	43.8
18	47.5	46.7	46.1	45.9	45.6	45.3	45.1	44.7	44.3	43.9
19	45.9	45.7	45.5	45.3	45.0	44.6	44.2	44.0	43.9	43.8
20	50.2	48.7	47.7	47.0	46.3	45.8	45.3	45.1	45.0	44.2
21	54.5	54.3	54.1	53.8	53.5	53.1	52.8	52.6	52.4	51.6
22	53.9	53.7	53.4	53.2	53.0	52.8	52.6	52.5	52.0	51.5
23	53.3	53.1	53.0	52.8	52.6	52.3	51.7	51.5	51.4	51.3
24	52.9	52.6	52.3	52.1	51.9	51.7	51.4	51.3	51.3	50.7

FIGURE B-23(b). HOURLY NOISE DATA FOR BOSTON SITE 0005



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	80.0	71.3	0.	50.6
MIN	42.5	43.8	8.	55.4
NPL	60.0	57.8	10.	57.0
SIG	3.7	2.8	12.	58.8
LEQ	58.6	50.6		
TNI	51.1	46.2		
L1	58.7	54.3		
L3	55.5	53.6		
L5	54.8	53.4		
L10	53.9	53.0		
L20	52.3	52.3		
L30	49.1	51.7		
L40	47.6	51.0		
L50	46.8	50.2		
L60	46.2	49.3		
L70	45.8	48.3		
L80	45.4	46.9		
L90	44.9	45.3		
L95	44.3	44.5		
L97	44.1	44.2		
L99	43.9	43.9		

FIGURE B-23(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0005



L_{DN}:	67.8	dB
ρ:	11,100	people / sq.mi.

SITE: 0006

Address: 156 W. Newton
Boston, MA

Microphone Height: 4.5 m.

Distance to Curb: 6.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

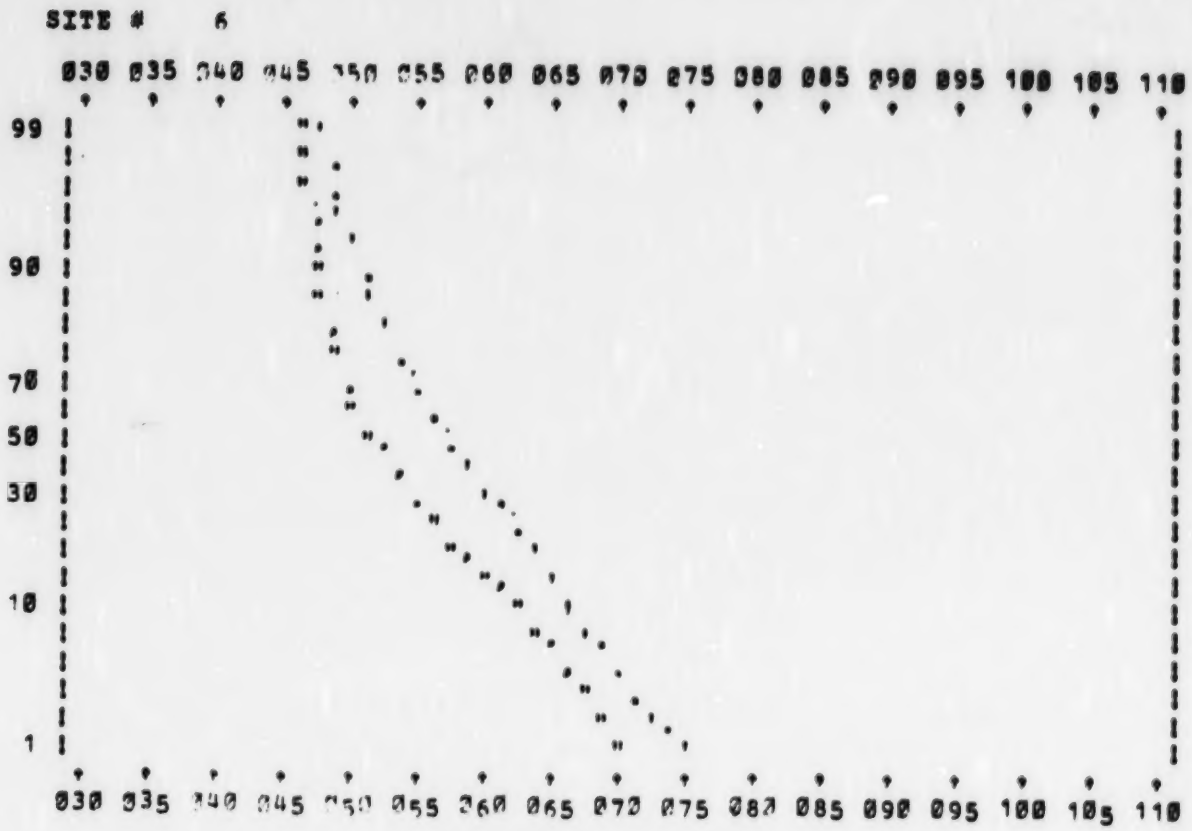
FIGURE B-24(a). DESCRIPTION OF BOSTON SITE 0006

SITE # 6

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	78.8	46.3	73.7	5.4	59.8	75.9	70.4	67.8	66.3	63.7	59.6
2	80.0	46.3	74.6	5.6	60.3	77.5	71.2	68.5	66.9	64.1	59.9
3	78.8	46.3	72.6	5.4	58.8	73.0	69.9	67.3	65.6	62.3	57.7
4	90.0	30.0	71.1	5.4	57.4	62.6	69.6	66.1	63.7	58.7	53.9
5	77.5	30.0	64.9	4.2	54.2	42.9	66.9	61.1	57.3	53.1	50.3
6	76.3	30.0	66.4	4.6	55.0	55.8	67.2	63.3	60.7	56.4	52.7
7	78.8	30.0	70.6	5.2	57.2	64.3	69.4	66.2	64.0	58.9	54.1
8	85.0	31.3	80.2	6.9	62.6	86.3	74.9	71.5	69.1	64.9	59.5
9	81.8	45.0	76.4	6.1	60.8	80.8	71.1	68.5	66.9	63.9	60.1
10	82.5	45.0	75.9	6.0	60.6	80.8	71.4	68.7	67.0	64.3	60.2
11	81.3	46.3	74.9	5.6	60.5	78.6	70.8	67.9	66.6	64.4	60.8
12	92.5	31.3	76.2	5.2	62.9	76.5	72.1	69.1	67.9	66.0	63.7
13	96.3	48.8	78.5	5.5	64.5	78.5	72.7	69.9	68.6	66.5	63.8
14	90.0	47.5	78.3	5.6	63.8	78.2	73.6	69.6	68.2	65.8	62.6
15	102.5	30.0	87.1	6.5	70.5	82.9	79.7	73.1	70.5	67.7	64.6
16	100.0	48.8	84.3	6.2	68.5	83.1	79.8	73.8	71.2	68.3	65.3
17	87.5	48.8	79.2	5.6	65.0	79.1	76.3	71.7	69.8	67.4	64.8
18	88.8	50.0	78.5	5.3	64.8	79.4	74.7	71.6	70.1	68.2	65.6
19	88.8	50.0	81.2	5.6	66.5	78.9	79.4	73.1	70.8	68.0	65.1
20	103.7	50.0	88.5	6.5	72.0	85.9	80.5	76.3	73.3	69.5	65.9
21	87.5	48.8	81.0	6.0	65.8	82.3	78.2	73.5	71.3	68.8	64.7
22	91.3	48.8	78.1	5.4	64.2	77.0	73.7	69.8	68.4	66.2	63.3
23	87.5	47.5	78.9	6.0	63.6	82.4	75.2	70.9	69.0	66.7	63.5
24	85.0	47.5	74.8	5.3	61.2	75.9	70.8	68.3	67.1	64.9	61.9

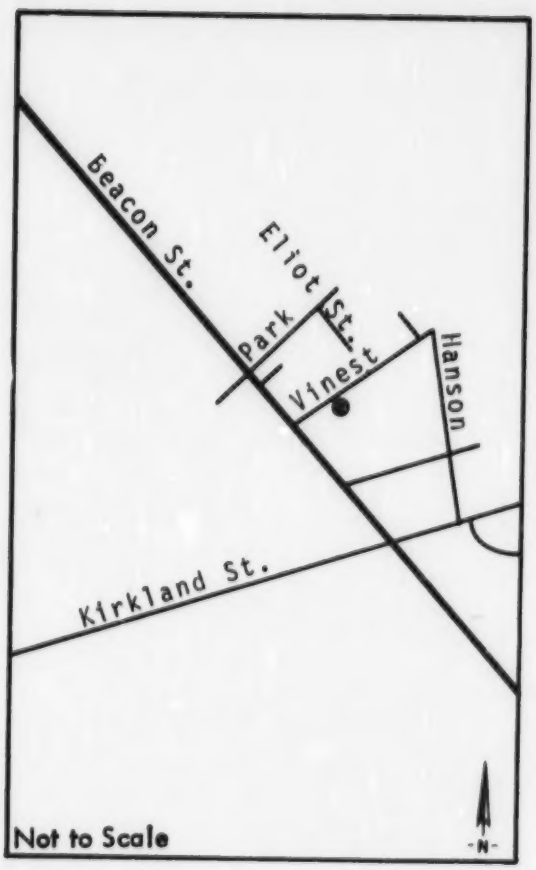
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.7	54.8	53.4	52.3	51.3	50.5	49.6	49.0	48.8	47.9
2	57.0	55.0	53.7	52.7	51.7	50.7	49.6	49.0	48.7	47.9
3	54.9	53.2	52.0	51.0	50.1	49.4	48.7	48.1	47.8	47.6
4	52.0	50.8	49.9	49.2	48.5	48.0	47.4	46.7	46.4	41.7
5	49.0	48.4	48.0	47.6	47.2	46.8	46.5	46.3	45.7	45.1
6	50.5	49.4	48.6	48.2	47.7	47.2	46.7	46.4	46.3	45.4
7	51.9	50.5	49.6	48.8	48.3	47.8	47.1	46.6	46.4	46.3
8	55.9	53.5	51.9	50.7	49.7	48.7	47.8	47.1	46.8	46.4
9	56.9	54.8	53.2	51.6	50.4	49.4	48.3	47.7	47.2	46.5
10	57.1	54.9	53.4	52.1	50.9	49.8	48.8	48.0	47.7	47.0
11	57.7	55.5	53.9	52.7	51.7	50.7	49.6	49.0	48.8	47.9
12	61.9	60.2	58.7	57.2	55.7	54.1	52.5	51.5	50.9	49.9
13	61.7	59.8	58.1	56.6	55.2	53.8	52.5	51.5	51.1	50.3
14	60.3	58.3	56.6	55.2	54.0	52.9	51.7	50.8	50.3	49.5
15	62.1	59.9	58.1	56.6	55.2	53.9	52.6	51.6	51.2	50.2
16	62.9	60.9	59.2	57.6	56.2	54.8	53.4	52.5	51.9	51.3
17	62.8	61.0	59.4	57.9	56.5	55.1	53.5	52.4	51.8	50.9
18	63.4	61.4	59.7	58.3	57.0	55.8	54.5	53.6	53.0	52.1
19	62.7	60.7	59.1	57.9	56.8	55.7	54.4	53.8	53.1	52.5
20	63.4	61.2	59.4	57.9	56.5	55.4	54.1	53.2	52.7	51.8
21	62.4	60.6	58.8	57.2	55.9	54.6	53.3	52.4	51.8	51.0
22	60.7	58.6	57.0	55.7	54.6	53.6	52.6	51.8	51.5	50.7
23	60.8	58.7	56.8	55.2	53.9	52.7	51.5	50.7	50.3	49.6
24	59.2	57.0	55.5	54.3	53.3	52.3	51.2	50.4	50.1	49.2

FIGURE B-24(b). HOURLY NOISE DATA FOR BOSTON SITE 0006



	DAY "."	NIGHT ","	WEIGHTING	WEIGHTED LEQ
MAX	103.7	90.0	0.	64.8
MIN	30.0	30.0	8.	66.8
NPL	82.4	74.9	10.	67.8
SIG	6.3	6.0	12.	69.0
LEQ	66.3	59.5		
TMI	84.5	78.7		
L1	76.1	70.7		
L3	71.2	67.6		
L5	69.4	66.0		
L10	66.9	62.8		
L20	63.8	58.		
L30	61.3	55.2		
L40	59.2	53.3		
L50	57.4	51.9		
L60	55.9	50.6		
L70	54.4	49.5		
L80	52.9	49.4		
L90	51.0	47.5		
L95	49.4	46.8		
L97	48.7	46.5		
L99	47.6	46.1		

FIGURE B-24(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0006



L_{DN}:	61.7	dB
ρ:	5,800	people / sq.mi.

SITE: 0007

Address: 88 Propezio Way
Somerville, MA

Microphone Height: 1.5 m.

Distance to Curb: 4.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

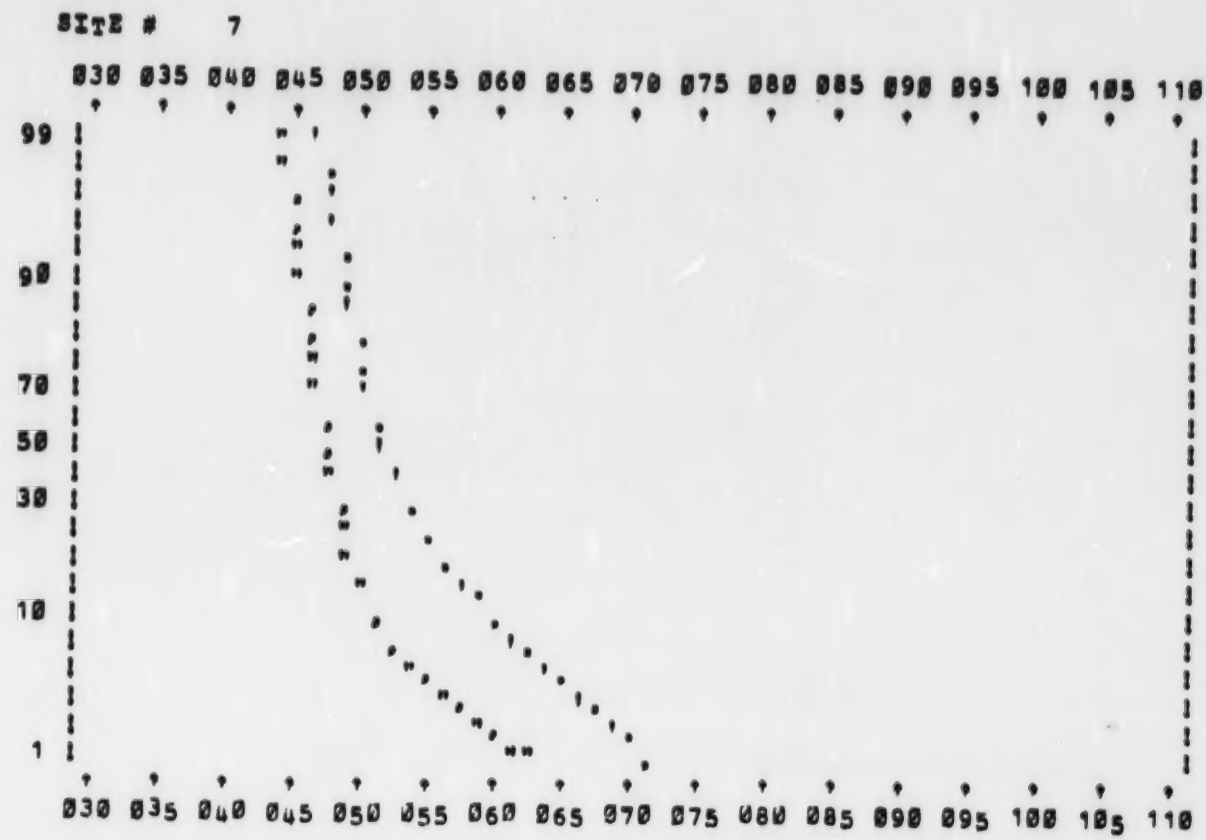
FIGURE B-25(a). DESCRIPTION OF BOSTON SITE 0007

SITE # 7

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	77.5	45.0	58.1	2.6	51.4	31.3	61.2	54.7	52.3	50.2	49.0
2	78.8	43.8	62.4	3.6	53.2	41.0	64.7	58.5	55.7	52.5	49.5
3	60.0	43.8	49.9	1.1	47.1	25.9	51.1	49.5	48.7	48.2	47.4
4	63.8	43.8	50.1	1.2	47.0	26.6	51.1	49.3	48.6	48.2	47.4
5	77.5	42.5	54.5	2.3	48.7	31.9	54.6	51.1	50.2	48.7	47.5
6	77.5	42.5	57.1	2.8	50.0	35.5	59.1	53.2	51.1	49.7	48.6
7	90.0	42.5	74.2	5.6	59.8	61.4	73.4	65.1	61.5	56.8	51.5
8	81.3	43.8	74.0	5.6	59.7	71.6	72.4	68.4	65.9	61.7	56.8
9	82.5	45.0	74.3	5.5	60.1	68.7	73.1	69.0	66.6	61.4	56.3
10	90.0	45.0	75.8	5.8	61.0	71.0	73.5	69.4	66.4	61.5	56.8
11	86.3	45.0	75.1	5.4	61.4	66.3	72.8	67.5	65.0	61.4	56.5
12	87.5	45.0	73.9	5.3	60.4	63.9	72.4	66.8	63.9	59.8	56.0
13	86.3	45.0	71.8	4.8	59.4	56.7	71.7	66.2	62.8	58.6	55.1
14	82.5	46.3	69.0	4.3	57.9	52.8	70.3	65.1	61.6	57.4	54.3
15	88.8	46.3	70.5	4.3	59.6	58.4	70.3	66.0	63.7	60.3	57.2
16	83.8	47.5	71.3	4.5	59.9	55.8	72.4	67.1	64.2	59.4	56.0
17	91.3	47.5	74.7	5.1	61.7	64.2	73.7	67.7	64.7	61.1	57.3
18	88.8	45.0	77.6	5.8	62.7	70.4	75.4	69.4	66.5	61.8	57.2
19	81.3	43.8	73.3	5.5	59.2	73.0	70.8	67.4	65.4	61.9	57.8
20	83.8	43.8	71.3	5.2	57.9	67.5	69.1	65.6	63.3	59.7	55.8
21	82.5	46.3	61.1	2.9	53.7	41.4	63.9	59.2	57.3	54.6	52.5
22	83.8	45.0	65.1	3.7	55.6	48.7	66.5	60.1	57.8	55.4	52.1
23	77.5	46.3	63.2	3.5	54.3	40.7	67.1	60.6	57.9	53.7	51.7
24	81.3	45.0	62.2	3.2	54.0	37.3	65.0	57.4	54.4	51.9	50.2

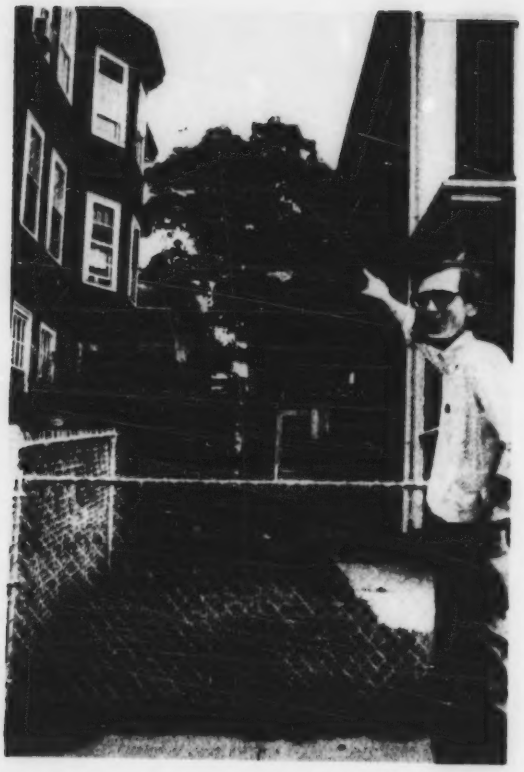
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	48.5	48.2	47.8	47.5	47.2	46.9	46.5	46.4	46.3	46.3
2	48.4	47.8	47.4	47.1	46.8	46.6	46.3	45.8	45.5	45.2
3	47.3	47.1	46.9	46.7	46.5	46.3	45.7	45.3	45.2	45.1
4	47.2	47.0	46.7	46.5	46.3	45.8	45.3	45.1	45.0	44.3
5	46.8	46.2	45.9	45.6	45.2	44.9	44.3	44.0	43.9	43.8
6	48.0	47.4	46.8	46.2	45.7	45.2	44.5	44.1	43.9	43.8
7	49.6	48.6	47.9	47.2	46.6	46.0	45.3	44.8	44.4	43.9
8	54.1	52.5	51.5	50.8	50.0	49.3	48.4	47.7	47.2	46.3
9	53.7	52.3	51.4	50.8	50.2	49.6	48.9	48.3	48.0	47.6
10	54.4	52.8	51.7	50.8	50.0	49.2	48.4	47.8	47.6	46.7
11	53.8	52.5	51.7	51.0	50.5	49.9	49.1	48.8	48.3	47.7
12	53.3	51.9	51.0	50.4	49.8	49.2	48.5	47.9	47.7	47.2
13	53.4	52.2	51.3	50.7	50.1	49.4	48.5	47.8	47.6	46.7
14	52.8	52.0	51.2	50.7	50.1	49.6	49.0	48.5	48.1	47.6
15	55.7	54.6	53.8	53.1	52.4	51.7	50.9	50.3	50.1	49.2
16	54.6	53.7	53.0	52.4	51.8	51.3	50.6	50.2	50.0	49.2
17	55.2	53.7	52.8	52.0	51.4	50.7	50.0	49.4	49.1	48.8
18	54.9	53.4	52.3	51.3	50.5	49.7	48.9	48.3	47.9	47.5
19	55.3	53.6	52.3	51.1	50.2	49.3	48.2	47.6	47.0	46.4
20	53.4	51.9	50.7	49.7	48.9	48.1	47.2	46.5	46.3	45.4
21	51.7	51.1	50.8	50.4	50.1	49.6	49.1	48.8	48.4	47.8
22	50.9	50.2	49.7	49.2	48.8	48.2	47.7	47.2	46.8	46.4
23	50.8	50.2	49.7	49.4	49.0	48.6	48.0	47.7	47.6	47.0
24	49.5	48.8	48.4	48.1	47.7	47.3	46.8	46.5	46.4	46.3

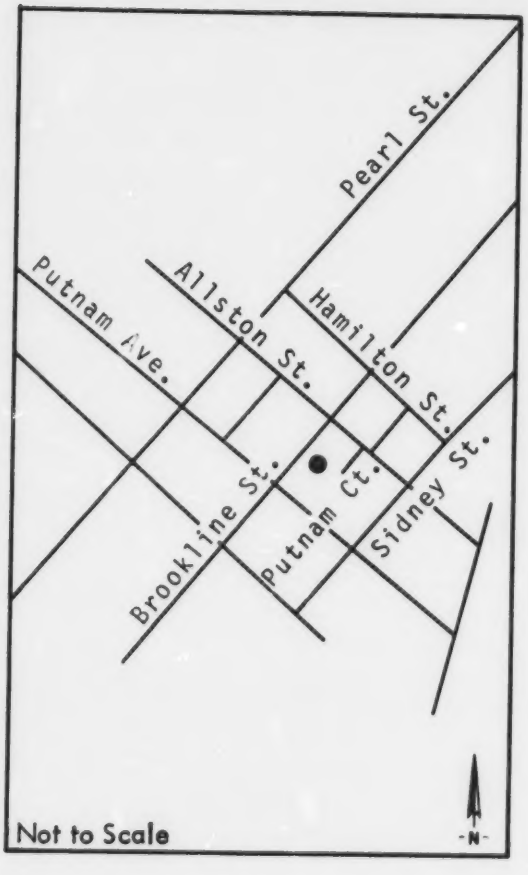
FIGURE B-25(b). HOURLY NOISE DATA FOR BOSTON SITE 0007



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	91.3	90.0	0.	58.4
MIN	43.8	42.5	8.	60.6
MPL	72.9	62.5	10.	61.7
SIG	5.1	3.4	12.	63.0
LEQ	59.8	53.7		
TNI	63.3	38.2		
L1	71.8	63.7		
L3	66.9	57.0		
L5	64.1	53.9		
L10	59.9	51.1		
L20	55.9	49.5		
L30	53.9	48.5		
L40	52.6	47.9		
L50	51.7	47.4		
L60	50.9	47.0		
L70	50.3	46.6		
L80	49.5	46.2		
L90	48.7	45.4		
L95	47.9	44.9		
L97	47.6	44.4		
L99	46.7	44.0		

FIGURE B-25(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0007





L_{DN}:	65.2	dB
ρ:	10,100	people / sq.mi.

SITE: 0008

Address: 268 Brooklime
Cambridge, MA

Microphone Height: 9.1 m.

Distance to Curb: 18.2 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

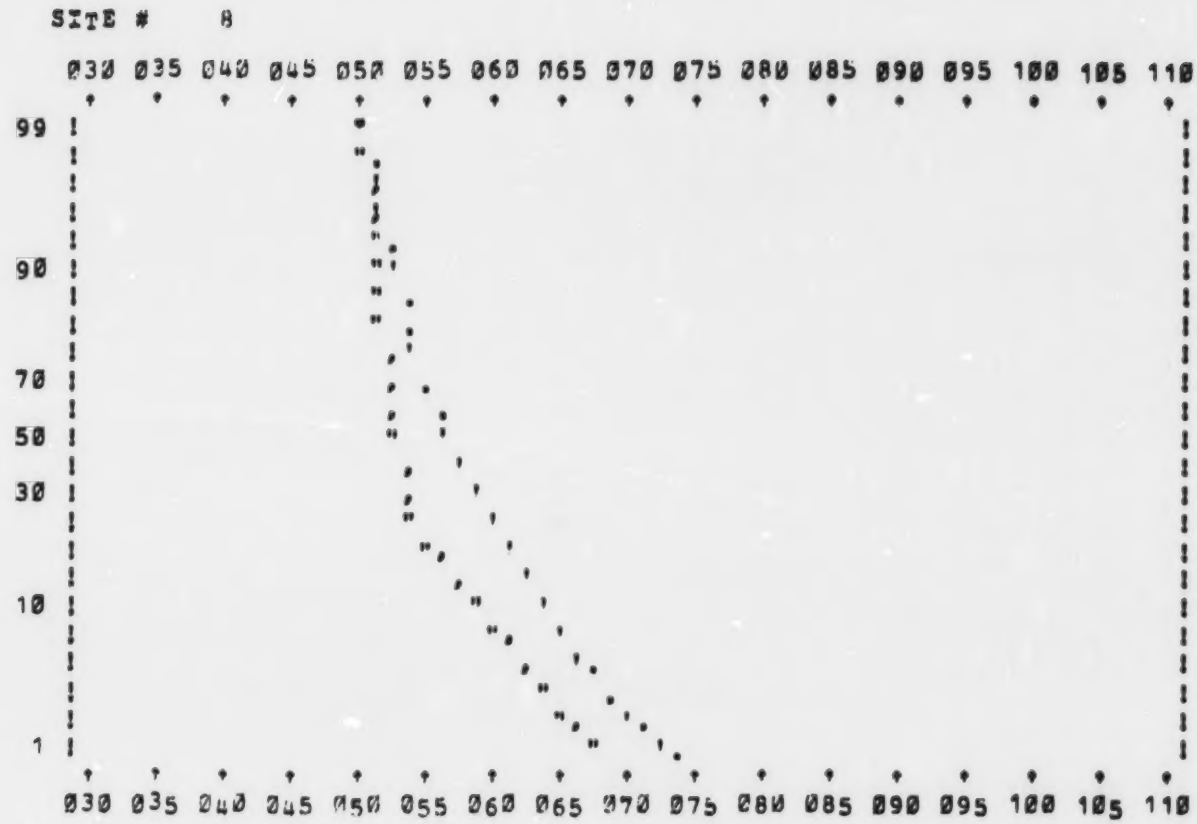
FIGURE 3-26(a). DESCRIPTION OF BOSTON SITE 0008

SITE # 8

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	81.3	48.8	67.8	3.8	58.1	57.0	67.4	64.0	62.6	60.5	57.6
2	81.3	48.8	68.8	4.0	58.5	55.0	69.8	65.2	63.0	59.7	55.7
3	78.8	48.8	64.9	3.2	56.7	42.9	67.4	63.4	61.0	56.8	54.2
4	77.5	48.8	61.5	2.6	54.8	36.8	64.9	60.9	58.3	55.2	53.5
5	76.3	50.0	60.4	2.3	54.6	34.6	64.0	58.6	56.3	54.7	53.6
6	77.5	48.8	59.1	1.9	54.3	33.5	61.1	56.0	55.0	54.5	53.6
7	77.5	50.0	63.0	2.7	56.0	40.7	66.2	61.5	59.4	56.5	54.6
8	80.0	50.0	69.0	3.9	59.1	57.4	70.5	65.7	63.7	61.3	58.2
9	92.5	48.8	78.7	5.5	64.6	72.3	77.1	71.4	68.5	64.9	62.1
10	83.8	47.5	75.7	5.3	62.2	74.8	72.4	69.1	67.5	64.9	62.3
11	83.8	47.5	71.7	4.6	59.9	66.7	69.4	66.5	64.9	62.6	60.0
12	88.8	47.5	74.6	5.0	61.8	69.3	73.1	68.7	66.4	63.6	61.0
13	88.8	47.5	76.6	5.2	63.2	71.0	74.6	69.1	67.0	64.0	61.2
14	81.3	48.8	72.1	4.4	60.8	64.8	70.9	67.0	65.3	63.1	60.7
15	90.0	48.8	73.6	4.6	61.8	66.4	71.7	67.5	66.0	63.5	60.7
16	83.8	48.8	75.6	4.9	63.1	69.4	74.8	69.6	67.4	64.9	62.4
17	87.5	50.0	73.4	4.4	62.0	65.6	72.4	68.0	66.1	63.9	61.8
18	86.3	50.0	77.1	4.8	64.7	68.2	77.0	72.0	69.0	65.7	62.9
19	87.5	51.3	71.6	3.7	62.0	60.1	70.7	66.9	65.5	63.6	61.7
20	83.8	51.3	72.0	4.1	61.6	59.6	73.7	67.5	65.5	62.9	60.5
21	87.5	50.0	77.7	5.0	64.8	70.5	77.1	72.3	69.6	65.9	62.3
22	86.3	48.8	74.6	4.8	62.4	67.5	73.4	69.0	66.6	64.0	61.3
23	87.5	48.8	73.4	4.8	61.8	66.2	72.8	67.6	65.3	62.6	59.8
24	86.3	47.5	72.2	4.9	59.7	67.1	70.6	67.1	65.2	62.2	59.0

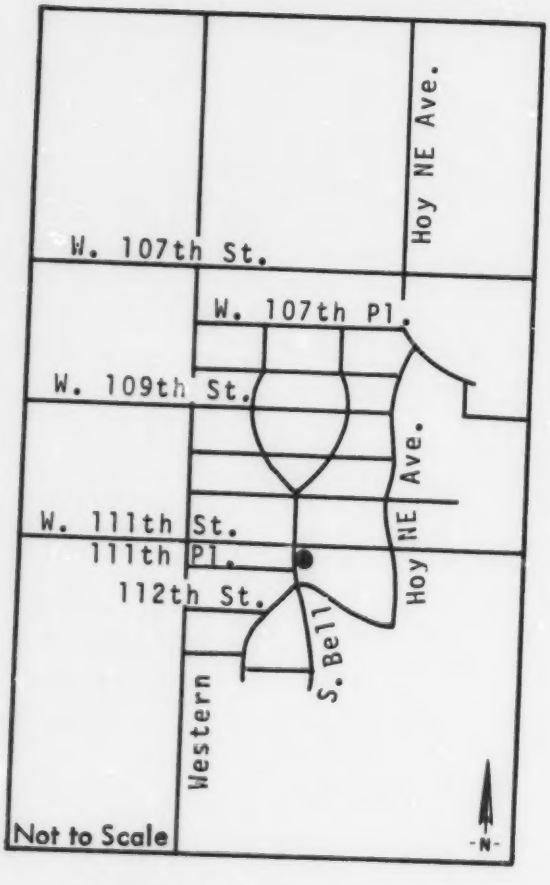
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	55.4	54.0	53.4	53.0	52.5	52.1	51.6	51.4	51.3	50.5
2	53.8	53.1	52.5	52.2	51.9	51.6	51.3	50.9	50.5	50.2
3	53.5	53.1	52.7	52.3	52.0	51.7	51.4	51.3	51.1	50.4
4	53.0	52.5	52.3	52.0	51.8	51.6	51.3	51.0	50.6	50.2
5	53.2	52.8	52.4	52.1	51.9	51.6	51.4	51.2	50.7	50.2
6	53.3	53.0	52.7	52.4	52.1	51.8	51.5	51.3	51.1	50.4
7	53.8	53.5	53.2	52.9	52.6	52.2	51.7	51.5	51.4	51.3
8	56.2	55.2	54.6	54.1	53.6	53.1	52.6	52.1	51.8	51.4
9	60.3	58.5	56.8	55.4	54.3	53.3	52.4	51.7	51.4	50.6
10	60.7	59.2	57.6	56.0	54.5	53.1	51.6	50.7	50.2	49.3
11	58.3	56.7	55.3	54.1	53.1	52.2	51.3	50.4	50.1	49.2
12	59.1	57.5	56.1	54.8	53.7	52.7	51.7	51.1	50.6	50.1
13	59.5	57.9	56.5	55.1	53.8	52.8	51.7	51.1	50.6	50.0
14	58.9	57.3	56.0	55.0	54.3	53.5	52.6	51.8	51.5	50.7
15	58.7	57.2	56.0	55.0	54.2	53.4	52.5	51.7	51.4	50.6
16	60.6	58.9	57.4	56.3	55.3	54.4	53.3	52.6	52.1	51.4
17	60.0	58.5	57.3	56.2	55.2	54.3	53.4	52.7	52.5	51.6
18	61.2	59.8	58.7	57.7	56.8	55.9	54.8	54.1	53.7	52.7
19	60.3	59.1	58.2	57.2	56.4	55.6	54.8	54.2	54.0	53.5
20	58.9	57.8	56.8	56.0	55.3	54.6	54.0	53.5	53.1	52.7
21	60.4	59.1	58.0	57.0	56.2	55.3	54.3	53.8	53.2	52.6
22	59.6	58.1	56.8	55.7	54.7	53.6	52.8	52.1	51.7	50.9
23	57.8	56.1	54.7	53.6	52.8	52.1	51.4	50.8	50.5	50.2
24	56.5	54.6	53.3	52.4	51.8	51.2	50.5	50.2	50.0	49.3

FIGURE B-26(b). HOURLY NOISE DATA FOR BOSTON SITE 0008



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	92.5	87.5	0.	61.3
MIN	47.5	47.5	8.	64.0
NPL	75.0	67.1	10.	65.2
SIG	4.8	3.7	12.	66.6
LEQ	62.6	57.7		
TNI	68.0	52.		
L1	73.9	68.5		
L3	68.8	64.		
L5	66.7	62.		
L10	64.0	59.0		
L20	61.4	55.4		
L30	59.7	53.9		
L40	58.2	53.3		
L50	56.9	52.9		
L60	55.8	52.4		
L70	54.8	52.		
L80	53.8	51.7		
L90	52.7	51.4		
L95	51.8	51.3		
L97	51.4	51.6		
L99	50.4	50.		

FIGURE B-26(c). DAY/NIGHT NOISE DATA FOR BOSTON SITE 0008



L_{DN}:	71.2	dB
ρ:	6,600	people / sq.mi.

SITE: 0502

Address: 2203 111th
Chicago, IL

Microphone Height: 4.6 m.

Distance to Curb: 1.7 m.

ROADWAY TYPE

At Site: Arterial

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks, Buses

Vicinity: Cars, Buses

OTHER NOISE SOURCES:

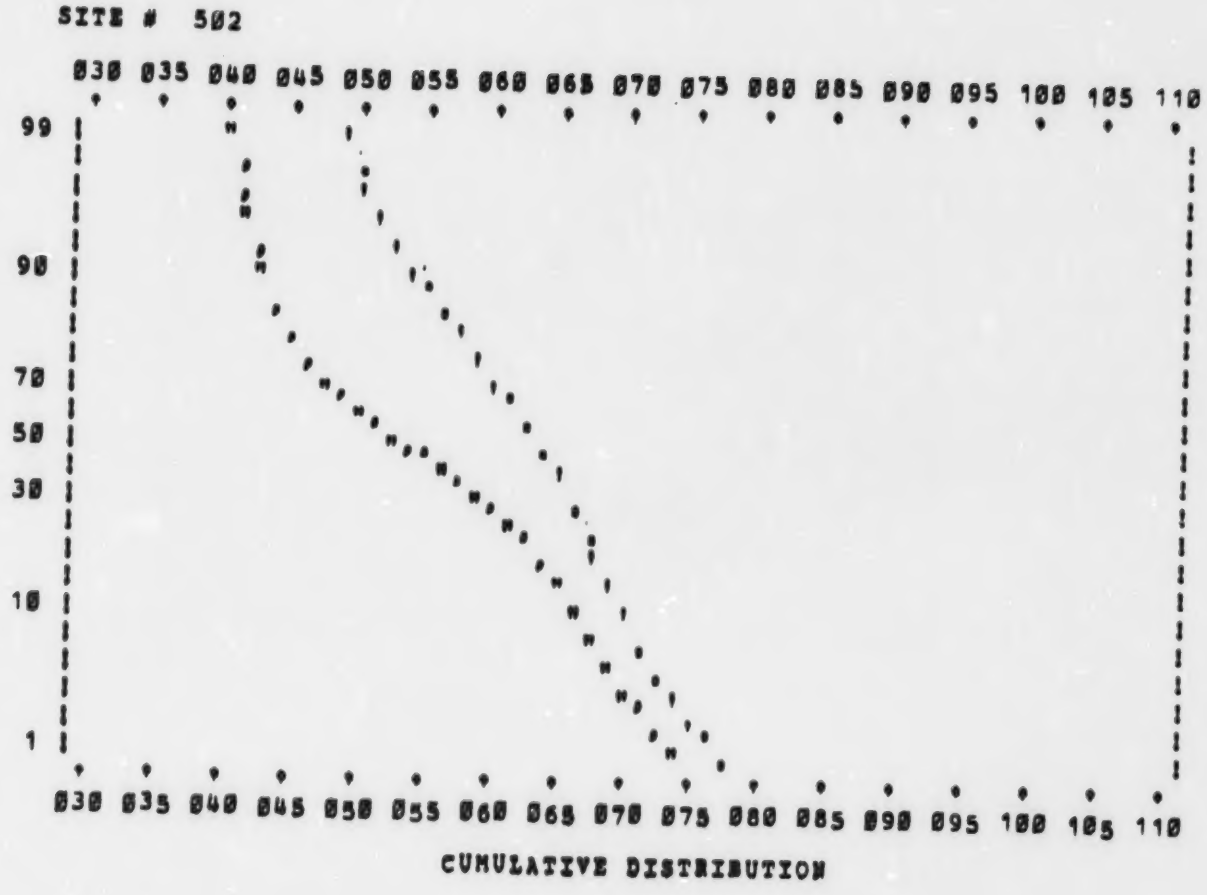
FIGURE B-27(a). DESCRIPTION OF CHICAGO SITE 0502

SITE # 502

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	87.5	40.0	81.5	7.3	62.8	92.4	72.6	68.7	67.4	65.3	62.4
2	81.3	40.0	81.9	8.0	61.3	97.0	74.0	68.6	66.8	64.2	60.3
3	90.0	38.8	84.1	8.3	62.8	92.7	72.6	68.0	65.3	61.8	56.5
4	81.3	38.8	72.0	6.6	55.1	71.7	67.9	64.2	61.6	55.9	49.4
5	82.5	38.8	80.2	7.8	60.1	91.6	72.3	67.7	65.3	62.0	57.0
6	90.0	40.0	86.6	8.2	65.5	101.0	76.6	71.0	69.4	66.9	64.0
7	91.3	45.0	86.5	7.0	68.6	95.6	78.9	75.3	73.2	71.2	69.3
8	88.8	46.3	85.5	6.5	68.9	92.3	78.4	74.8	73.4	71.7	70.1
9	90.0	45.0	84.4	6.2	68.5	87.4	78.5	75.5	73.7	71.3	69.1
10	93.8	45.0	84.6	6.4	68.1	89.4	78.4	74.7	72.6	70.2	67.8
11	86.3	43.8	82.2	6.2	66.4	86.8	76.7	72.8	71.2	69.3	67.2
12	87.5	47.5	85.2	6.6	68.4	91.7	80.6	75.6	73.5	70.6	67.9
13	87.5	46.3	82.6	5.8	67.7	84.5	77.5	74.4	72.8	70.4	68.1
14	87.5	46.3	82.6	6.1	67.1	85.5	77.9	74.2	72.0	69.5	67.3
15	96.3	47.5	84.6	6.0	69.2	84.8	79.8	75.2	73.1	70.2	67.8
16	87.5	47.5	82.2	5.6	67.8	83.2	77.4	74.8	72.4	70.5	68.5
17	95.0	45.0	83.1	5.6	68.6	82.4	78.1	74.6	73.1	71.1	69.3
18	101.2	47.5	84.4	5.4	70.6	78.9	80.8	75.8	73.6	71.2	69.3
19	87.5	46.3	81.5	5.9	66.5	85.3	75.3	72.4	71.2	69.6	67.8
20	92.5	45.0	83.2	6.4	66.8	89.2	76.8	72.6	71.1	69.3	67.3
21	96.3	45.0	83.1	6.0	67.8	83.2	75.4	70.6	69.3	67.8	65.9
22	80.0	45.0	78.2	5.8	63.3	82.1	72.6	69.3	68.1	66.6	64.8
23	86.3	43.8	81.5	6.8	64.1	91.3	73.3	70.6	69.3	67.3	65.1
24	86.3	42.5	80.9	6.8	63.4	90.8	72.9	69.5	68.4	66.8	64.5

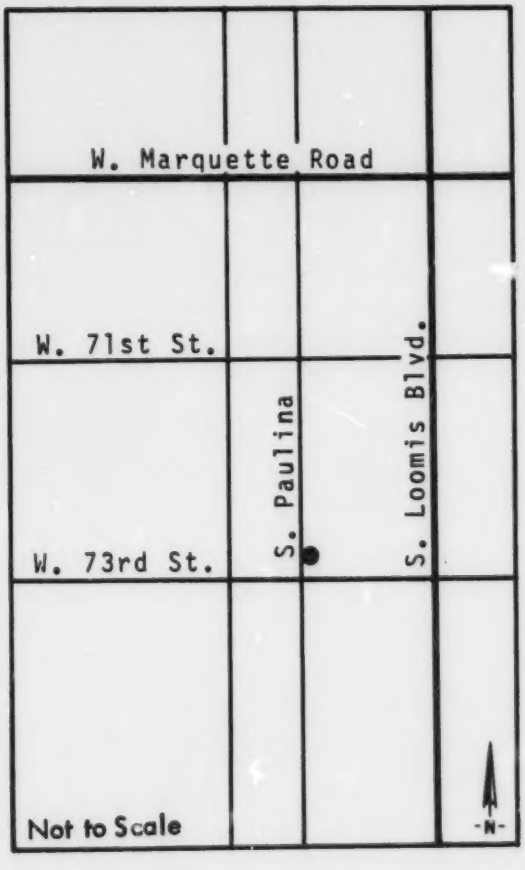
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	59.7	56.9	54.6	52.5	50.6	48.4	46.2	44.7	44.0	42.9
2	56.2	53.2	50.8	48.4	46.4	44.7	43.3	42.7	42.3	41.6
3	51.6	47.7	45.3	43.9	43.0	42.2	41.5	41.0	40.6	40.2
4	45.5	43.8	42.9	42.2	41.7	41.3	40.6	40.3	40.2	40.0
5	52.9	49.9	47.7	45.8	44.3	43.2	42.1	41.5	41.3	40.5
6	61.1	58.2	55.6	52.9	50.5	48.1	45.6	44.2	43.4	42.2
7	67.7	66.1	64.3	62.2	59.7	56.7	53.1	51.0	50.0	48.5
8	68.8	67.5	65.9	64.1	62.1	59.4	54.8	51.9	50.7	49.2
9	67.5	66.1	64.7	63.2	61.5	59.2	55.9	52.5	50.8	48.8
10	66.1	64.7	63.2	61.6	59.5	57.1	53.8	51.4	50.0	48.3
11	65.8	64.4	63.0	61.3	59.2	56.7	53.4	51.2	49.7	47.7
12	66.2	64.7	63.0	61.2	58.7	56.6	53.6	52.2	51.1	50.1
13	66.6	65.4	64.2	62.9	61.2	59.0	55.7	53.2	51.9	49.5
14	65.8	64.4	63.0	61.5	59.7	57.5	54.2	51.7	50.6	49.1
15	66.4	65.0	63.8	62.5	60.9	58.7	55.3	52.9	51.8	50.1
16	67.2	66.0	64.8	63.4	61.8	59.8	56.2	53.5	52.1	50.3
17	67.9	66.7	65.4	64.1	62.6	60.5	57.3	54.6	52.8	49.7
18	68.8	66.8	65.7	64.4	63.0	61.2	58.6	56.2	54.7	52.6
19	66.4	65.1	63.5	61.9	60.1	57.7	54.4	51.7	50.7	49.2
20	65.8	64.3	62.7	60.7	58.7	56.1	52.7	50.5	49.4	47.8
21	64.5	63.0	61.5	59.9	57.9	55.6	52.6	50.6	49.6	47.9
22	63.4	62.0	60.3	58.4	56.3	54.1	51.4	49.7	48.7	47.5
23	63.3	61.6	59.8	57.8	55.5	52.5	49.3	47.4	46.6	45.5
24	62.3	60.3	58.2	56.1	53.9	51.5	48.8	46.9	45.9	44.4

FIGURE B-27(b). HOURLY NOISE DATA FOR CHICAGO SITE 0502



	DAY '.';	NIGHT ","	WEIGHTING	WEIGHTED LEQ
MAX	101.2	91.3		
MIN	43.8	38.8	0.	66.8
MDL	83.8	87.3	8.	69.9
SIG	6.2	9.1	10.	71.2
LEQ	68.8	63.9	12.	72.7
TNI	87.7	89.3		
L1	77.7	74.6		
L3	74.8	70.7		
L5	72.3	69.2		
L10	70.2	66.7		
L20	68.1	63.3		
L30	66.5	60.2		
L40	65.1	57.8		
L50	63.7	53.7		
L60	62.2	50.7		
L70	60.3	47.7		
L80	57.8	44.7		
L90	54.3	42.5		
L95	51.8	41.6		
L97	50.5	41.2		
L99	48.7	40.4		

FIGURE B-27(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0502



L_{DN}:	60.6	dB
ρ:	12,900	people / sq.mi.

SITE: 0503

Address: 721 S. Paulina
Chicago, IL

Microphone Height: 4.6 m.

Distance to Curb: 7.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

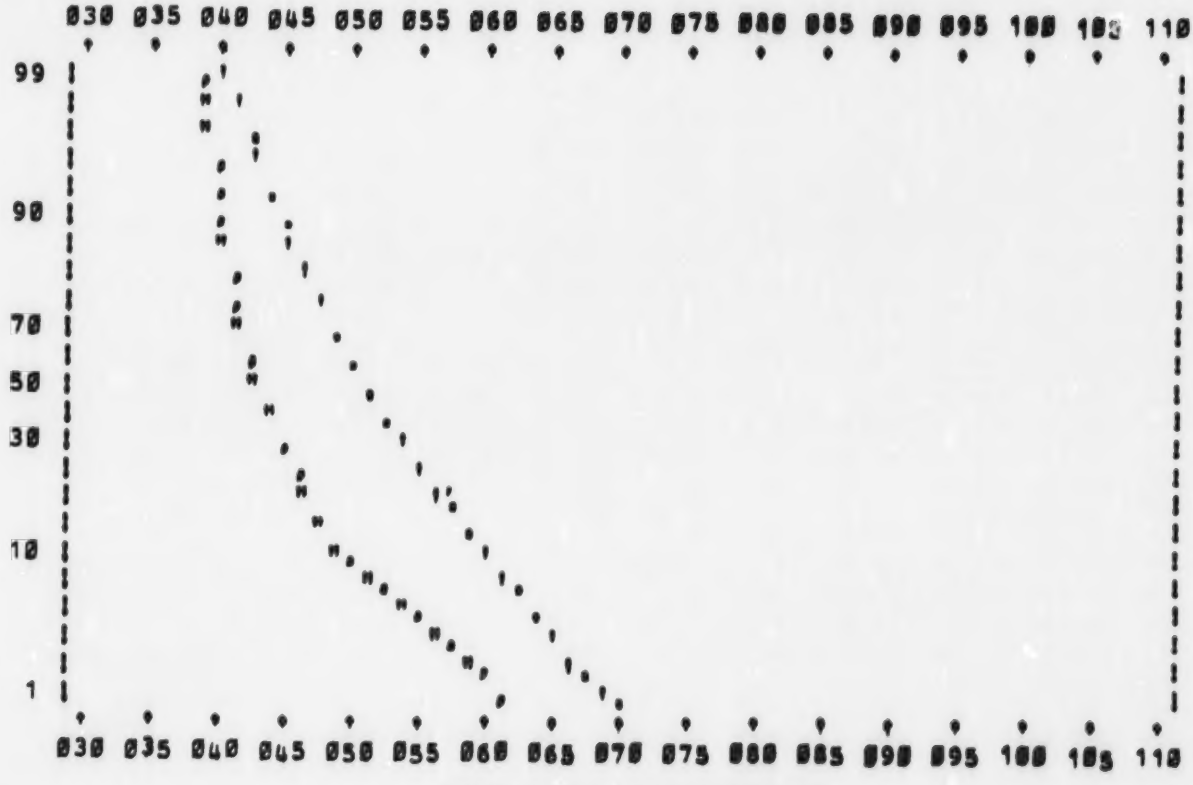
FIGURE B-28(a). DESCRIPTION OF CHICAGO SITE 0503

SITE # 503

HR	MAX	MIN	NPL	SIG	LEQ	THI	L1	L3	L5	L10	L20
1	83.8	38.8	69.8	5.8	54.9	58.6	69.0	62.4	58.5	52.8	48.2
2	67.5	37.5	50.2	2.4	44.0	28.0	53.0	47.8	46.1	44.7	43.5
3	66.3	36.3	54.2	3.4	45.5	36.0	57.8	51.5	48.2	46.1	44.3
4	77.5	36.3	53.4	2.9	46.0	26.2	54.0	47.6	45.6	43.2	41.6
5	61.3	36.3	50.7	2.8	43.4	37.0	50.8	49.1	48.0	46.1	44.5
6	72.5	37.5	57.0	3.5	47.9	44.3	56.7	53.2	51.8	49.6	47.5
7	76.3	40.0	64.3	4.6	52.6	51.9	65.5	59.6	57.2	52.9	49.2
8	81.3	41.3	66.7	4.9	54.0	66.0	63.6	61.2	59.9	57.6	54.1
9	76.3	37.5	68.6	5.9	53.5	68.5	65.3	61.6	59.3	55.7	52.3
10	77.5	36.3	69.9	6.8	54.5	66.7	67.6	61.2	59.2	54.6	49.4
11	87.5	41.3	68.4	5.2	55.1	63.8	65.9	61.8	59.8	56.3	52.2
12	92.5	42.5	71.4	5.1	58.4	65.1	69.2	64.2	62.2	59.1	55.0
13	96.3	43.8	77.1	5.6	62.7	69.1	72.3	67.1	64.5	60.5	55.9
14	96.3	43.8	82.8	7.8	64.8	85.5	77.3	71.9	68.8	64.6	60.2
15	88.8	45.0	73.5	5.3	60.0	72.3	69.9	65.9	64.3	62.4	60.3
16	80.0	45.0	69.7	4.8	57.3	68.7	66.8	63.9	62.8	60.9	58.5
17	86.3	45.0	71.8	5.1	58.8	68.9	69.5	66.0	64.2	61.2	57.7
18	97.5	45.0	78.4	5.3	64.7	68.6	74.3	67.8	65.3	62.2	59.1
19	93.8	43.8	75.5	5.4	61.6	70.8	70.7	66.3	64.5	61.4	57.7
20	85.0	41.3	70.7	5.1	57.8	66.1	69.2	64.5	62.5	59.6	56.2
21	90.0	41.3	74.3	5.8	59.4	71.5	69.8	64.7	62.5	59.3	55.4
22	82.5	40.0	73.6	6.5	57.0	77.7	68.5	64.7	62.7	59.3	54.9
23	76.3	40.0	62.4	4.5	50.9	53.0	63.0	58.2	55.8	52.4	49.0
24	88.8	38.8	70.0	5.5	56.0	63.4	64.3	60.5	58.5	54.6	48.7

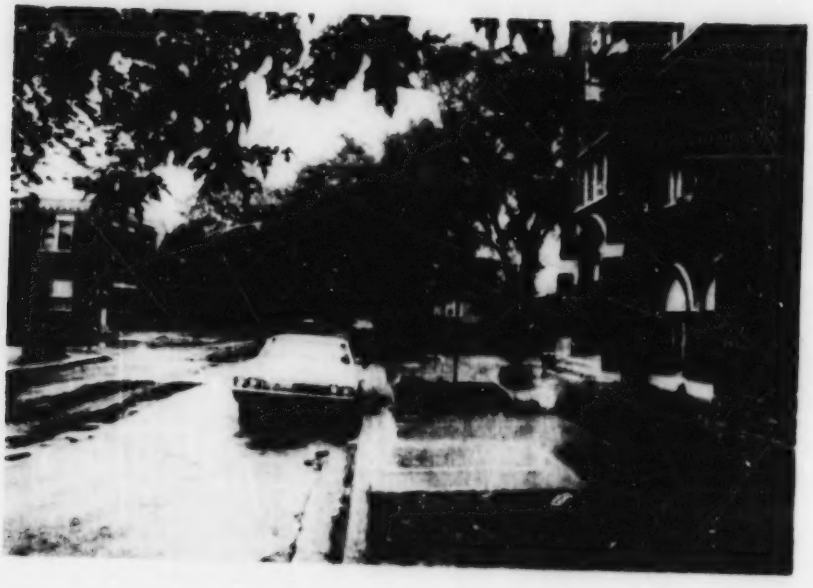
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	46.0	44.4	43.4	42.6	42.1	41.5	40.9	40.4	40.2	40.0
2	42.8	42.3	41.9	41.6	41.2	40.7	40.3	40.1	39.8	39.1
3	42.9	42.2	41.6	41.1	40.7	40.2	39.5	39.1	38.9	38.6
4	40.9	40.5	40.1	39.8	39.5	39.2	38.9	38.4	38.1	37.7
5	43.1	42.2	41.5	40.9	40.4	39.8	39.2	38.9	38.8	37.9
6	46.3	45.3	44.4	43.7	43.0	42.3	41.4	40.6	40.2	39.5
7	47.5	46.4	45.7	45.0	44.5	44.0	43.3	42.8	42.6	42.0
8	51.7	50.1	48.9	47.8	46.8	45.8	44.8	44.0	43.7	42.8
9	49.9	47.4	45.7	44.5	43.5	42.6	41.5	40.6	40.2	39.2
10	46.9	45.3	44.1	43.1	42.3	41.5	40.5	40.0	39.5	38.9
11	49.9	48.4	47.3	46.3	45.5	44.7	43.9	43.2	42.9	42.6
12	52.9	51.4	50.3	49.4	48.6	47.9	47.1	46.4	45.8	44.9
13	53.5	52.0	50.9	50.0	49.2	48.4	47.6	47.0	46.6	46.3
14	57.3	55.0	53.2	51.7	50.2	48.9	47.6	46.8	46.4	45.6
15	58.6	56.9	55.1	53.5	52.1	50.7	49.1	48.1	47.7	46.7
16	56.5	54.9	53.5	52.2	50.9	49.7	48.4	47.6	47.1	46.4
17	55.5	54.0	52.8	51.8	50.8	49.8	48.7	47.8	47.5	46.6
18	57.0	55.5	54.3	53.3	52.3	51.3	50.1	49.1	48.5	47.5
19	55.5	53.8	52.5	51.3	50.3	49.3	48.2	47.6	47.1	46.4
20	54.2	52.7	51.4	50.3	49.4	48.4	47.4	46.6	46.3	45.3
21	52.8	50.9	49.5	48.3	47.3	46.3	45.2	44.4	44.0	43.3
22	51.8	49.4	47.4	46.0	44.9	44.1	43.2	42.6	42.3	41.5
23	47.2	46.1	45.2	44.5	43.7	43.1	42.3	41.7	41.4	40.8
24	46.5	45.2	44.3	43.5	43.0	42.4	41.7	41.4	41.1	40.4

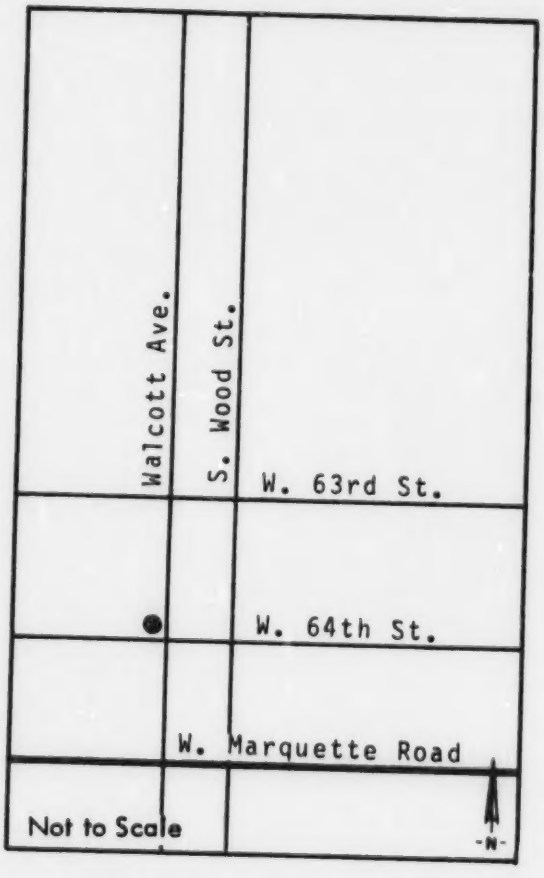
FIGURE B-28(b). HOURLY NOISE DATA FOR CHICAGO SITE 0503



	DAY '.'.	NIGHT ".".	WEIGHTING	WEIGHTED LEQ
MAX	97.5	88.8	0.	58.4
MIN	36.3	36.3	0.	59.8
NPL	76.1	63.1	10.	68.6
SIG	6.3	4.6	12.	61.5
LEQ	60.1	51.2		
TNI	78.0	48.3		
L1	70.2	62.0		
L3	65.3	56.6		
L5	63.2	53.8		
L10	60.4	49.6		
L20	56.8	46.6		
L30	54.3	45.1		
L40	52.4	44.1		
L50	50.9	43.2		
L60	49.6	42.3		
L70	48.3	41.6		
L80	46.8	40.8		
L90	44.5	40.0		
L95	42.9	39.3		
L97	42.0	39.0		
L99	40.5	38.5		

FIGURE B-28(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0503





L_{DN}:	66.9	dB
ρ:	19,800	people / sq.mi.

SITE: 0504

Address: Corner of 64th & Walcott
Chicago, IL

Microphone Height: 4.6 m.

Distance to Curb: 5.5 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

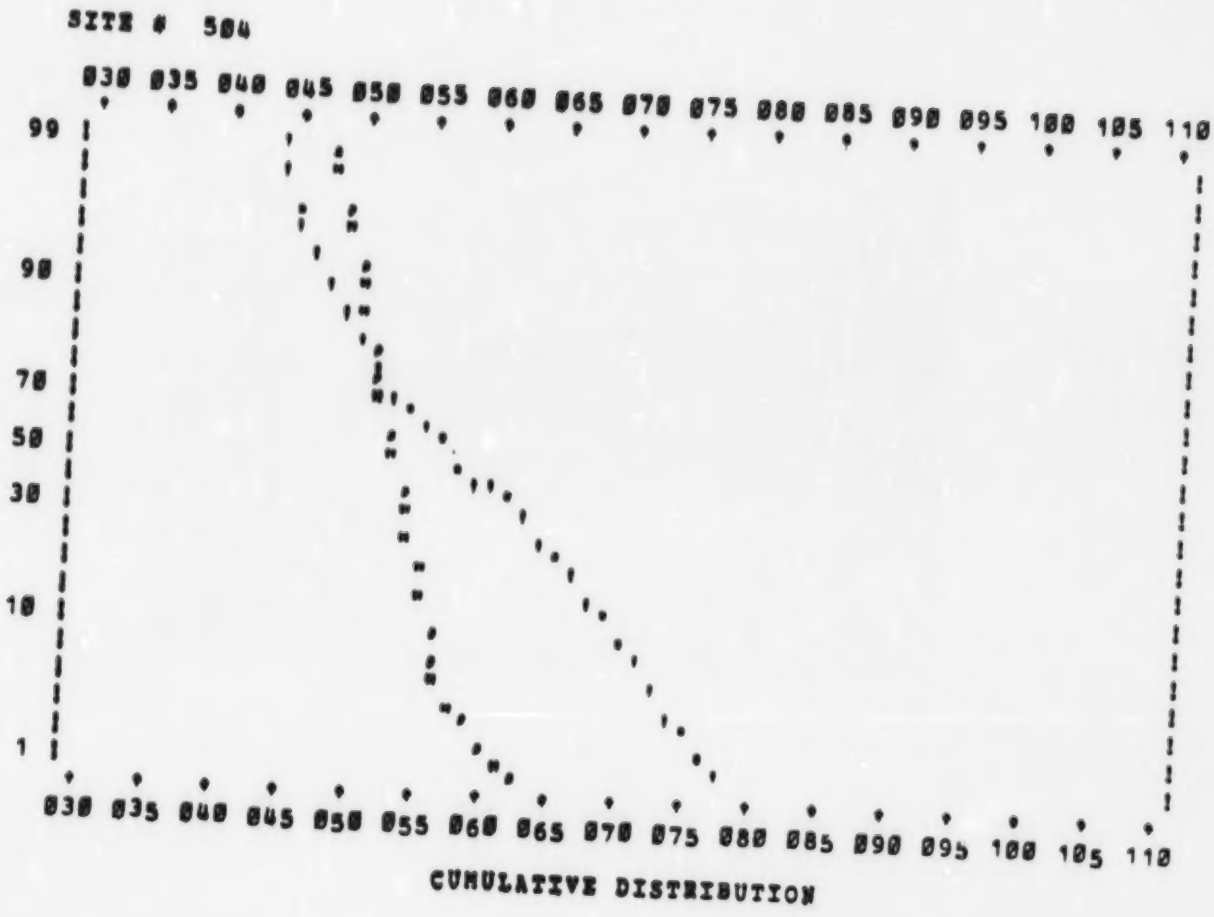
FIGURE B-29(a). DESCRIPTION OF CHICAGO SITE 0504

SITE # 504

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	50.0	56.4	1.2	53.2	31.6	57.2	55.3	54.0	54.0	53.5
2	72.5	48.0	54.6	1.2	51.6	28.4	56.7	53.3	52.5	52.2	51.8
3	72.5	47.5	57.2	2.1	51.9	37.7	56.9	54.0	53.7	53.5	53.1
4	82.5	51.3	61.8	2.2	56.3	39.1	59.2	57.3	56.9	56.2	55.7
5	78.0	52.5	57.4	1.1	54.5	32.6	58.5	56.2	56.0	55.4	54.9
6	78.0	47.5	61.6	1.0	56.0	32.1	66.1	60.5	58.3	56.2	56.1
7	86.3	46.3	70.3	4.1	59.9	56.2	70.7	66.2	63.0	60.1	56.3
8	92.5	43.0	79.0	5.0	63.0	77.3	75.3	70.4	68.2	64.5	59.0
9	86.3	42.5	80.9	6.7	63.7	86.0	75.5	71.9	69.0	65.6	60.4
10	96.3	41.3	86.6	7.4	67.0	88.1	78.6	72.0	69.0	64.0	59.9
11	100.0	40.0	92.3	8.0	69.9	107.7	82.0	76.9	74.3	70.2	65.0
12	82.5	51.3	77.7	4.9	65.2	77.9	74.2	71.0	70.6	69.0	66.7
13	96.3	48.0	89.6	6.7	72.5	87.7	86.0	78.0	74.9	70.9	67.5
14	87.5	51.3	80.3	4.5	68.7	76.1	78.4	75.7	74.3	71.9	69.3
15	95.0	51.3	84.6	5.2	71.2	84.1	81.1	78.3	76.7	74.4	71.9
16	91.3	50.0	87.5	6.6	70.5	97.3	80.0	77.2	75.9	73.0	71.6
17	87.5	46.3	84.0	6.9	67.1	95.7	77.4	75.1	73.7	71.4	67.4
18	86.3	43.0	78.5	6.1	63.0	83.5	73.6	70.4	68.7	66.2	62.9
19	86.3	43.0	83.3	7.0	64.2	98.2	74.2	71.4	70.4	68.7	65.7
20	78.0	41.3	78.6	5.9	55.6	74.4	65.4	63.6	62.4	59.1	55.9
21	78.0	38.0	75.0	6.9	57.3	91.0	65.0	64.5	64.0	63.2	58.4
22	66.3	42.5	67.4	5.0	54.7	69.2	64.1	62.4	61.2	59.0	56.0
23	62.5	43.0	60.0	3.1	52.2	48.0	60.0	59.0	58.3	55.0	51.9
24	63.0	48.0	55.1	1.2	51.9	32.1	56.0	53.7	53.6	53.2	52.5

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	53.3	53.0	52.7	52.0	52.2	51.0	51.5	51.4	51.3	51.1
2	51.4	51.1	50.9	50.0	50.6	50.4	50.2	50.1	50.1	50.0
3	52.0	52.3	51.5	50.4	49.7	49.2	48.0	48.2	47.9	47.6
4	55.2	54.5	53.7	53.3	52.9	52.5	51.9	51.6	51.4	51.3
5	54.6	54.4	54.2	54.0	53.0	53.4	53.0	52.7	52.6	52.5
6	55.9	55.7	55.5	55.3	55.1	54.9	54.3	54.0	53.9	53.0
7	55.0	54.6	54.2	53.7	53.1	52.5	51.4	50.5	50.2	49.3
0	57.2	55.4	54.1	53.1	52.2	51.3	50.2	49.4	49.0	48.1
9	57.4	55.4	53.0	52.0	51.3	50.2	48.9	47.0	47.3	46.3
10	56.9	54.6	52.0	51.3	49.9	48.5	47.0	46.0	45.4	44.3
11	61.3	58.2	55.7	53.5	51.5	49.7	47.7	46.4	45.6	44.4
12	64.4	62.5	61.1	59.9	58.0	57.5	56.0	55.2	54.6	53.0
13	65.1	63.1	61.4	59.0	58.4	56.9	55.3	54.2	53.7	52.6
14	67.7	66.4	65.4	64.4	63.3	62.2	60.5	59.1	58.2	56.5
15	69.9	68.2	66.0	65.0	64.2	62.0	61.2	60.0	59.1	57.2
16	69.9	68.5	66.9	65.0	62.5	59.1	56.0	54.5	53.9	52.7
17	63.7	60.9	58.0	57.1	55.0	54.6	53.3	52.2	51.5	50.1
18	60.7	58.9	57.3	55.0	54.1	52.3	50.4	49.0	48.2	46.9
19	62.6	59.7	57.1	54.6	52.3	50.5	48.0	47.0	47.3	46.4
20	52.0	51.0	49.5	47.9	46.3	45.1	44.1	43.4	43.0	42.6
21	56.5	52.3	50.1	49.0	47.1	45.0	43.9	43.3	42.9	42.6
22	52.9	51.7	50.6	49.4	48.0	46.7	45.6	45.2	44.0	44.1
23	51.1	50.0	50.4	50.1	49.6	48.0	47.3	46.5	46.0	45.3
24	52.2	51.9	51.6	51.3	51.0	50.6	50.3	50.1	50.0	49.5

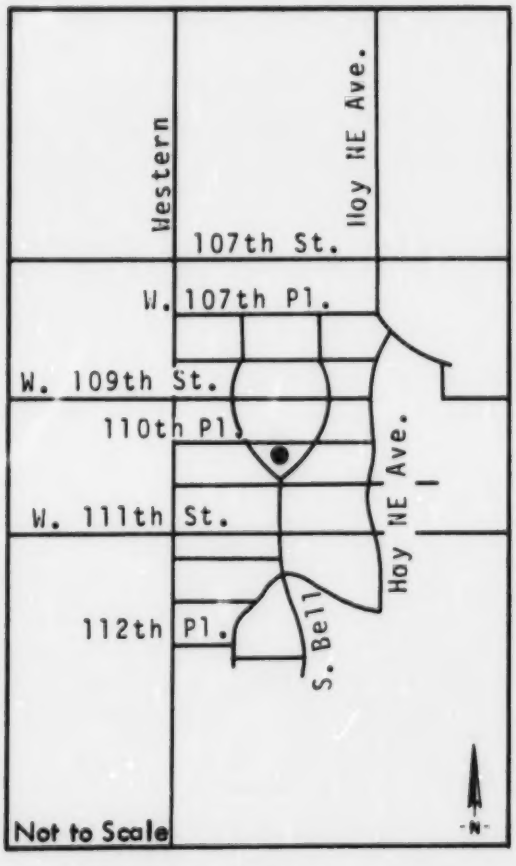
FIGURE B-29(b). HOURLY NOISE DATA FOR CHICAGO SITE 0504



	DAY '.':	NIGHT ","
MAX	100.0	86.3
MIN	38.8	43.8
MPL	89.1	62.4
SIG	8.4	2.8
LEQ	67.6	55.2
TNI	105.5	43.1
L1	78.3	63.1
L3	74.5	58.4
L5	72.7	56.8
L10	69.8	55.9
L20	66.0	54.9
L30	63.1	54.1
L40	60.2	53.4
L50	57.4	52.8
L60	55.1	52.2
L70	52.7	51.5
L80	50.5	50.8
L90	47.8	50.1
L95	45.8	49.2
L97	44.8	48.7
L99	43.6	47.1

WEIGHTING	WEIGHTED LEQ
0.	65.7
8.	66.4
10.	66.9
12.	67.5

FIGURE B-29(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0504



L_{DN}:	59.0 dB
ρ:	7,400 people/sq.mi.

SITE: 0505

Address: 11024 S. Bell Ave.
Chicago, IL

Microphone Height: 6.1 m.

Distance to Curb: 7.3 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

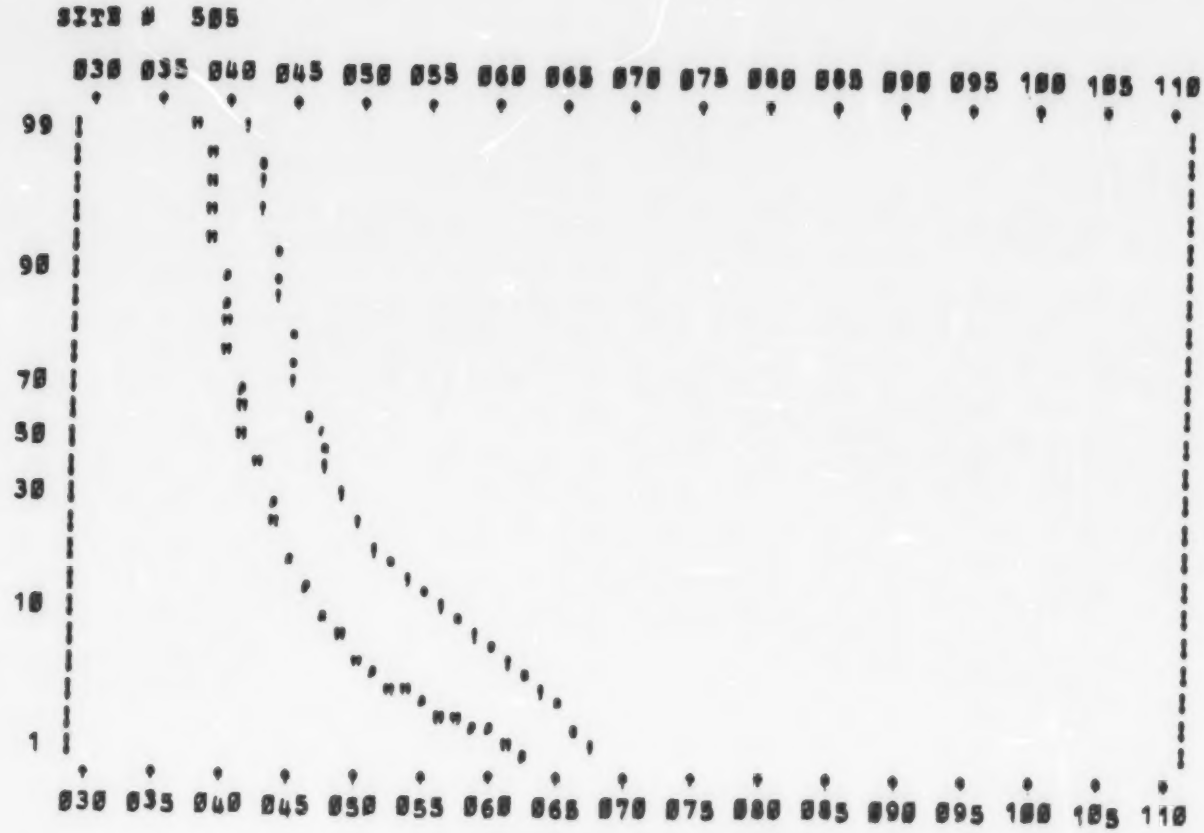
FIGURE 3-30(a). DESCRIPTION OF CHICAGO SITE 0505

SITE # 505

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	82.5	37.5	63.8	4.3	52.7	30.7	64.9	54.6	49.4	44.9	42.5
2	73.8	37.5	54.9	3.2	46.9	31.8	55.5	49.5	47.5	45.1	43.2
3	73.8	36.3	51.1	2.3	45.1	23.5	50.0	45.1	43.9	42.6	41.6
4	76.3	37.5	53.1	2.6	46.5	23.2	51.5	45.9	44.0	42.5	41.6
5	65.0	36.3	48.5	2.3	42.7	25.1	49.6	45.7	44.4	43.0	41.8
6	67.5	37.5	55.5	3.5	46.4	41.1	57.7	53.1	51.3	48.1	45.3
7	81.3	40.0	67.6	4.7	55.6	46.1	67.8	58.7	55.0	51.2	48.0
8	85.0	40.0	69.3	5.1	56.3	52.7	67.8	62.8	59.0	53.4	49.5
9	77.5	40.0	69.5	5.8	54.7	68.5	67.1	63.8	61.6	56.9	51.1
10	81.3	40.0	66.1	4.7	54.0	52.4	66.5	61.4	58.2	53.6	50.1
11	75.0	41.3	64.1	4.5	52.7	54.1	64.6	61.2	58.1	54.3	50.4
12	81.3	40.0	68.0	5.0	55.3	56.9	67.2	61.4	58.3	54.6	51.0
13	80.0	42.5	71.8	5.4	57.9	65.2	70.9	66.2	63.6	58.6	54.4
14	76.3	40.0	65.3	4.7	53.2	54.5	65.3	59.5	57.3	53.5	50.3
15	102.5	40.0	75.7	5.9	60.6	69.1	68.5	65.2	62.7	57.5	51.6
16	90.0	40.0	71.0	5.6	56.5	69.3	67.6	64.0	61.9	58.0	52.5
17	82.5	40.0	72.1	6.1	56.5	69.7	69.4	65.6	62.9	57.3	51.6
18	91.3	40.0	75.4	6.5	58.8	77.9	70.1	67.1	64.8	60.0	53.9
19	78.8	41.3	71.7	5.9	56.6	66.4	69.5	64.5	61.2	56.5	52.0
20	93.8	40.0	73.2	5.8	58.3	64.5	69.9	64.6	61.8	56.6	52.5
21	78.8	40.0	73.0	6.1	57.4	72.0	69.9	65.6	62.9	58.3	54.1
22	78.8	40.0	64.8	4.7	52.8	49.1	65.2	59.9	56.2	51.5	48.1
23	77.5	40.0	68.8	5.5	54.7	53.8	68.6	63.7	60.3	53.8	48.0
24	75.0	38.8	62.2	4.2	51.4	37.4	64.9	56.9	51.7	48.8	45.8

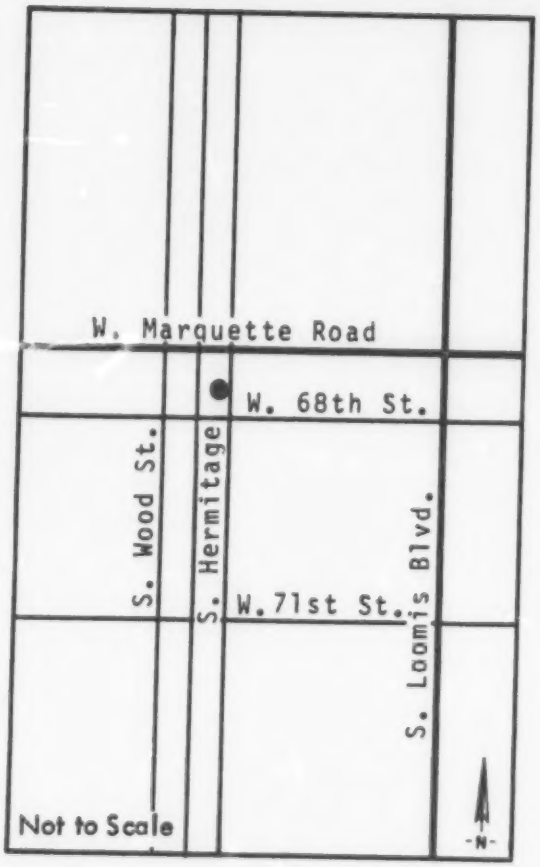
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	42.0	41.5	41.1	40.8	40.5	40.2	39.7	39.2	39.0	38.8
2	42.3	41.9	41.4	41.0	40.6	40.2	39.5	39.1	38.9	38.8
3	41.1	40.7	40.4	40.0	39.7	39.3	38.9	38.8	38.3	37.8
4	41.0	40.7	40.3	40.0	39.6	39.3	39.0	38.8	38.4	37.8
5	41.1	40.8	40.5	40.1	39.8	39.3	38.9	38.5	38.1	37.7
6	44.1	43.3	42.7	42.2	41.7	41.3	40.5	40.1	39.7	39.0
7	46.5	45.7	45.0	44.6	44.1	43.6	42.9	42.5	42.1	41.5
8	47.9	46.8	45.9	45.3	44.7	44.2	43.6	43.0	42.8	42.5
9	48.4	46.9	45.8	45.0	44.4	43.8	43.0	42.7	42.5	41.7
10	48.6	47.6	46.8	46.1	45.5	44.8	43.9	43.2	42.8	42.2
11	48.7	47.8	47.0	46.3	45.7	45.1	44.3	43.9	43.7	42.9
12	49.3	48.1	47.1	46.2	45.5	44.7	43.8	43.0	42.6	41.7
13	52.4	51.1	50.0	49.1	48.3	47.4	46.3	45.5	45.2	44.4
14	48.7	47.6	46.6	45.7	44.8	44.1	43.2	42.6	42.1	41.5
15	49.3	47.9	46.9	46.0	45.2	44.4	43.6	42.9	42.7	42.0
16	49.9	48.6	47.7	46.8	46.0	45.2	44.2	43.6	43.8	42.5
17	49.2	47.8	46.7	45.7	44.9	44.1	43.2	42.6	42.2	41.5
18	50.8	49.2	48.0	47.0	46.0	45.1	44.1	43.3	42.9	42.2
19	49.7	48.0	46.8	45.8	44.9	44.1	43.2	42.8	42.6	41.8
20	49.8	48.1	46.9	46.1	45.4	44.7	44.0	43.4	43.0	42.6
21	51.4	49.6	48.2	47.1	46.1	45.0	43.8	43.0	42.6	41.8
22	46.6	45.6	44.8	44.2	43.6	43.0	42.3	41.8	41.5	41.3
23	46.1	45.0	44.6	44.2	43.7	43.3	42.8	42.6	42.3	41.6
24	44.7	44.0	43.4	43.0	42.6	42.0	41.5	41.2	40.7	40.2

FIGURE B-30(b). HOURLY NOISE DATA FOR CHICAGO SITE 0505



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	102.5	82.5	0.	55.4
MIN	40.0	36.3	8.	57.8
MPL	71.3	62.3	10.	59.0
SIG	5.6	4.4	12.	60.3
LEQ	56.8	51.1		
TNI	64.9	48.5		
L1	68.5	63.0		
L3	64.2	54.1		
L5	61.3	50.8		
L10	56.4	47.2		
L20	51.7	44.9		
L30	49.5	43.7		
L40	48.1	42.8		
L50	47.0	42.1		
L60	46.1	41.3		
L70	45.3	40.7		
L80	44.5	40.2		
L90	43.6	39.4		
L95	42.9	39.0		
L97	42.6	38.9		
L99	41.8	38.2		

FIGURE B-30(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0505



L_{DN}: 64.4 dB

ρ: 20,600 people/sq.mi.

SITE: 0506

Address: 6700 S. Hermitage
Chicago, IL

Microphone Height: 3.0 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

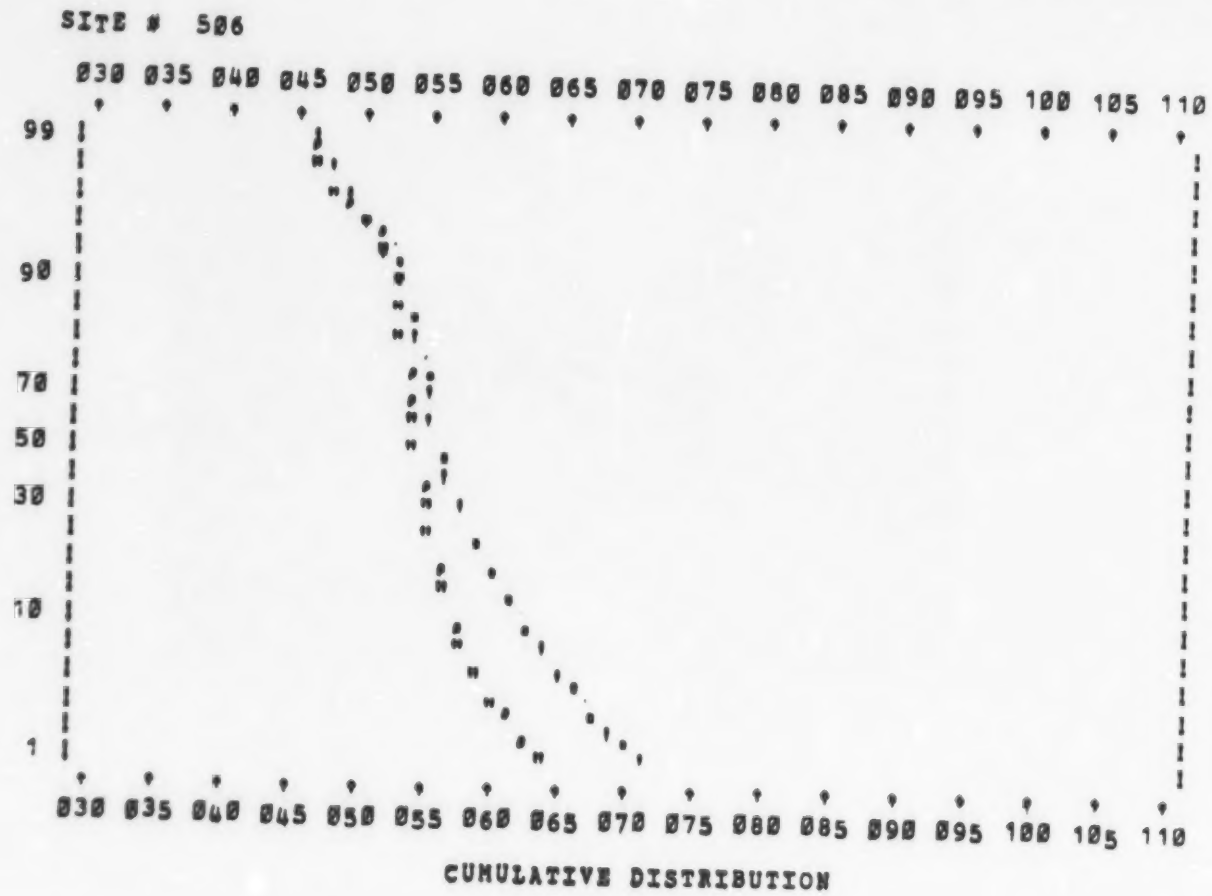
FIGURE B-31(a). DESCRIPTION OF CHICAGO SITE 0506

SITE # 506

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	86.3	51.3	67.0	3.2	58.8	42.3	70.1	64.8	61.5	57.7	56.0
2	82.5	42.5	64.1	3.8	54.3	32.0	62.8	58.0	56.7	55.1	54.2
3	76.3	50.0	57.4	1.3	54.1	31.8	58.1	56.1	55.5	54.9	54.4
4	70.0	51.3	57.4	1.2	54.3	31.7	59.7	56.7	56.0	55.0	54.7
5	67.5	45.0	57.5	1.6	53.5	33.0	58.4	56.1	55.3	54.7	53.9
6	73.8	45.0	63.9	3.0	56.3	38.9	63.9	61.9	60.5	58.6	57.0
7	83.8	51.3	65.2	2.5	58.7	43.6	67.3	62.8	61.2	59.2	57.8
8	93.8	46.3	77.5	5.0	64.6	61.2	76.0	74.1	69.0	63.1	59.0
9	80.0	45.0	67.6	3.7	58.0	53.7	67.8	64.2	62.3	59.2	57.0
10	85.0	51.3	71.5	3.9	61.4	53.6	72.8	67.4	65.7	61.3	58.0
11	85.0	41.3	72.2	5.0	59.4	62.7	69.3	63.6	61.2	58.3	56.0
12	83.8	41.3	71.9	5.1	58.8	68.7	70.0	65.5	63.4	60.7	57.7
13	77.5	46.3	66.4	3.1	58.4	53.2	67.2	64.3	63.0	61.0	58.7
14	92.5	51.3	68.8	3.5	59.8	56.8	68.7	65.9	64.7	62.0	58.7
15	78.8	51.3	65.5	2.8	58.4	48.2	67.2	63.6	62.2	60.1	58.4
16	86.3	47.5	74.5	4.8	62.2	68.1	74.1	68.8	66.9	63.8	60.6
17	83.8	48.8	69.6	3.8	59.9	59.0	70.0	66.5	64.8	62.1	59.6
18	93.8	52.5	73.4	3.9	63.3	60.9	73.2	69.1	67.1	64.4	61.6
19	95.0	52.5	81.1	5.3	67.5	72.6	79.1	74.4	71.2	67.2	63.7
20	87.5	52.5	68.6	3.1	60.6	53.8	69.3	66.2	64.7	62.4	60.2
21	83.8	52.5	71.3	3.7	61.8	60.9	71.2	68.0	66.5	64.3	62.2
22	78.8	52.5	66.2	3.0	58.5	49.2	68.5	64.8	62.9	60.4	57.9
23	78.8	51.3	62.3	2.2	56.7	41.1	64.3	61.1	59.7	58.2	56.8
24	86.3	52.5	67.4	3.0	59.7	42.2	70.0	63.9	61.1	58.5	56.9

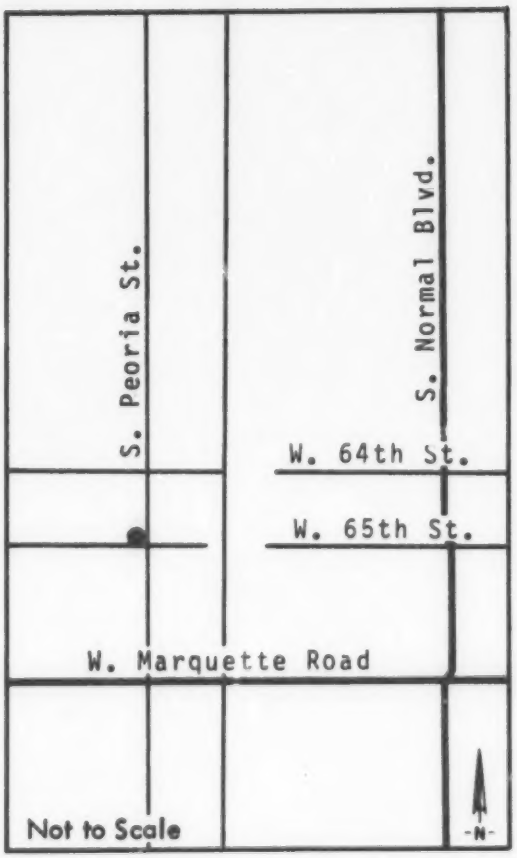
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	55.2	54.7	54.4	54.1	53.8	53.3	52.9	52.7	52.6	52.1
2	53.6	53.2	52.9	52.5	51.2	47.3	46.2	45.5	45.2	44.6
3	54.0	53.7	53.5	53.2	53.0	52.8	52.5	52.0	51.7	51.3
4	54.4	54.2	53.9	53.6	53.3	53.0	52.8	52.6	52.6	52.4
5	53.6	53.4	53.2	53.0	52.8	52.6	51.9	51.4	49.6	47.3
6	56.1	55.5	55.0	54.5	54.0	53.1	51.2	50.1	49.4	48.4
7	57.1	56.6	56.2	55.8	55.4	55.0	54.4	54.0	53.9	53.8
8	57.4	56.5	55.9	55.3	54.8	54.3	53.8	52.9	52.6	50.5
9	56.0	55.4	54.8	54.4	53.9	53.1	51.0	48.9	48.0	46.9
10	56.8	56.0	55.6	55.1	54.7	54.3	53.9	53.4	53.0	52.7
11	54.9	54.0	52.9	51.4	49.8	48.3	46.8	45.8	45.3	44.2
12	55.9	54.6	53.3	52.1	50.8	49.5	48.0	46.9	46.4	45.3
13	57.5	56.7	56.0	55.5	54.9	54.3	53.6	52.9	52.7	51.6
14	57.3	56.4	55.8	55.2	54.7	54.2	53.8	53.2	52.9	52.6
15	57.4	56.7	56.2	55.7	55.2	54.7	54.1	53.9	53.7	52.9
16	58.6	57.3	56.3	55.4	54.4	53.5	52.4	51.6	51.3	50.3
17	58.2	57.3	56.6	55.9	55.2	54.3	53.1	52.2	51.7	50.8
18	60.0	58.9	58.1	57.4	56.9	56.3	55.5	55.2	55.0	54.2
19	61.5	59.9	58.7	57.7	56.9	56.2	55.4	55.0	54.5	54.0
20	59.0	58.3	57.6	57.0	56.5	55.9	55.3	54.9	54.4	54.0
21	60.7	59.6	58.6	57.7	57.0	56.3	55.5	55.1	54.7	54.1
22	56.8	56.1	55.7	55.3	54.9	54.5	54.1	53.9	53.8	53.3
23	56.1	55.6	55.1	54.8	54.5	54.2	53.9	53.6	53.1	52.7
24	56.1	55.6	55.2	54.8	54.5	54.2	54.0	53.8	53.7	52.9

FIGURE 8-31(b). HOURLY NOISE DATA FOR CHICAGO SITE 0506



	DAY '.'.	NIGHT ","	WEIGHTING	WEIGHTED LEQ
MAX	95.0	86.3		
MIN	41.3	42.5	0.	60.5
NPL	73.3	64.4	8.	63.2
SIG	4.5	3.8	10.	64.4
LEQ	61.8	56.8	12.	65.8
TNI	61.4	42.0		
L1	72.5	64.9		
L3	67.4	60.9		
L5	65.4	59.1		
L10	62.5	57.4		
L20	59.6	56.1		
L30	58.1	55.3		
L40	57.0	54.7		
L50	56.2	54.3		
L60	55.6	53.9		
L70	54.9	53.5		
L80	54.2	53.0		
L90	52.9	52.5		
L95	50.5	51.3		
L97	48.9	48.2		
L99	46.7	46.0		

FIGURE B-31(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0506



L_{DN}:	63.1	dB
ρ:	32,600	people / sq.mi.

SITE: 0508

Address: 910 W. 65th
Chicago, IL

Microphone Height: 6.7 m.

Distance to Curb: 11.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

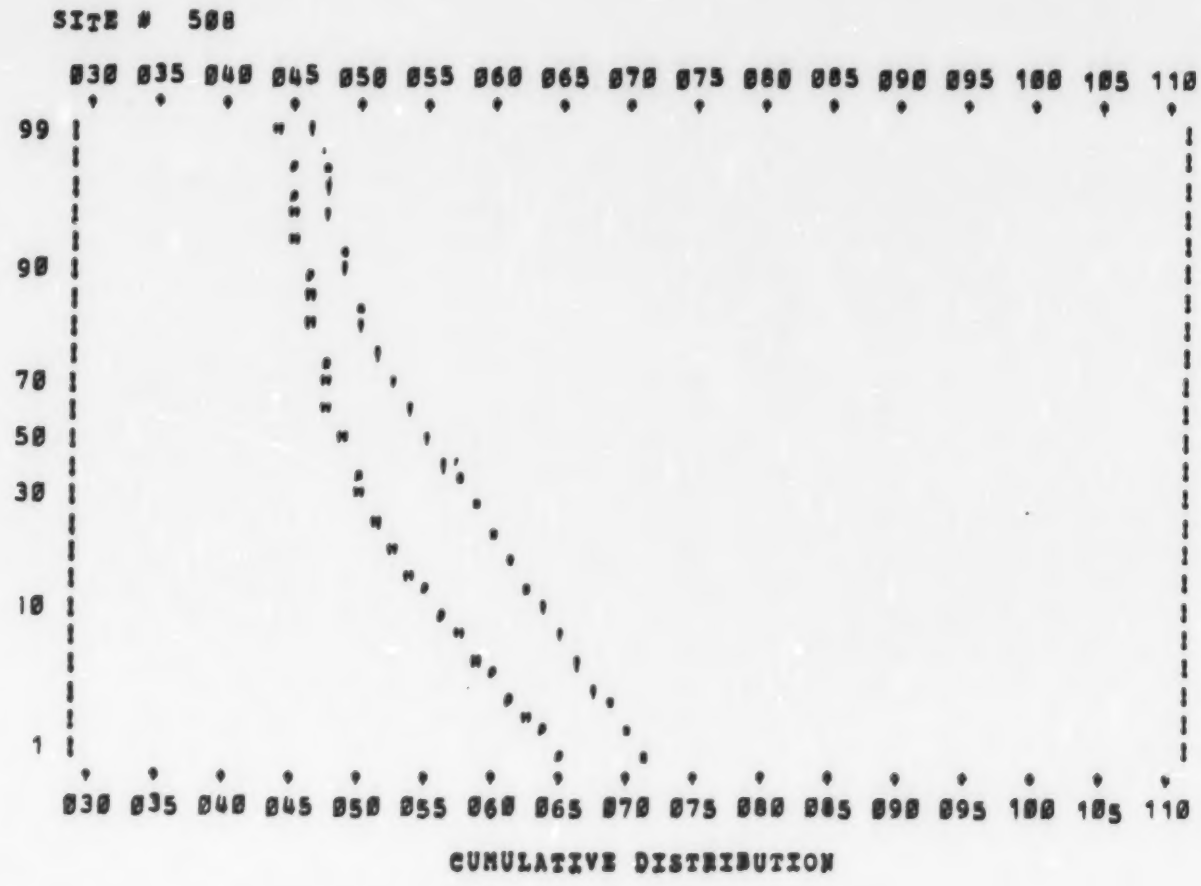
FIGURE B-32(a). DESCRIPTION OF CHICAGO SITE 0508

SITE # 508

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	82.5	43.8	73.3	5.7	58.7	71.9	78.5	66.8	64.5	60.8	56.1
2	75.0	42.5	60.3	3.4	51.6	45.2	61.3	58.9	56.9	53.5	51.0
3	80.0	42.5	62.2	3.7	52.6	42.7	64.4	58.7	55.9	52.1	49.8
4	73.8	41.3	55.3	2.7	48.5	35.9	58.1	53.6	51.7	49.8	48.3
5	78.8	42.5	60.6	3.4	51.8	41.8	62.1	57.5	55.2	51.9	49.5
6	81.3	43.8	63.4	3.4	54.8	48.6	62.1	59.1	57.6	55.5	53.0
7	78.8	45.0	65.8	4.2	55.8	58.2	66.2	61.8	60.1	57.8	54.7
8	81.3	45.0	69.4	4.8	57.1	68.1	66.5	64.4	63.1	60.8	57.2
9	87.5	43.8	71.2	5.1	58.1	68.9	68.8	64.8	62.5	60.5	57.8
10	81.3	43.8	70.6	4.9	58.8	65.8	69.1	64.7	62.8	59.9	57.5
11	75.0	42.5	69.8	5.1	56.6	69.4	67.1	64.3	62.5	60.1	57.1
12	88.8	43.8	73.6	5.2	60.2	71.3	69.5	65.8	64.2	61.6	58.6
13	91.3	45.0	77.3	5.4	63.4	71.9	74.8	69.2	66.7	63.6	60.9
14	98.8	45.0	74.4	4.9	62.8	69.3	68.4	65.3	64.0	62.0	59.5
15	97.5	45.0	78.0	5.7	63.5	79.6	73.3	69.8	68.1	65.7	62.8
16	88.8	43.8	72.2	4.7	60.3	68.1	69.3	66.8	64.6	62.7	60.6
17	101.2	41.3	78.2	5.1	65.1	68.8	74.2	68.8	65.6	62.8	60.3
18	85.0	47.5	79.6	5.8	64.5	85.3	74.5	72.8	70.7	68.4	65.5
19	87.5	46.3	78.3	5.5	64.1	80.8	73.4	69.9	68.6	67.1	65.2
20	88.8	46.3	74.4	5.0	61.7	70.6	72.2	68.5	66.7	63.9	61.1
21	88.8	46.3	75.6	5.0	62.8	73.4	72.8	69.3	67.6	65.3	62.6
22	77.5	43.8	71.1	5.1	58.1	69.3	69.2	65.3	63.5	61.0	58.0
23	73.8	45.0	65.8	4.2	55.8	59.5	64.9	62.2	60.7	58.2	55.3
24	78.8	43.8	68.0	4.5	56.5	57.0	68.2	61.3	59.5	56.8	53.6

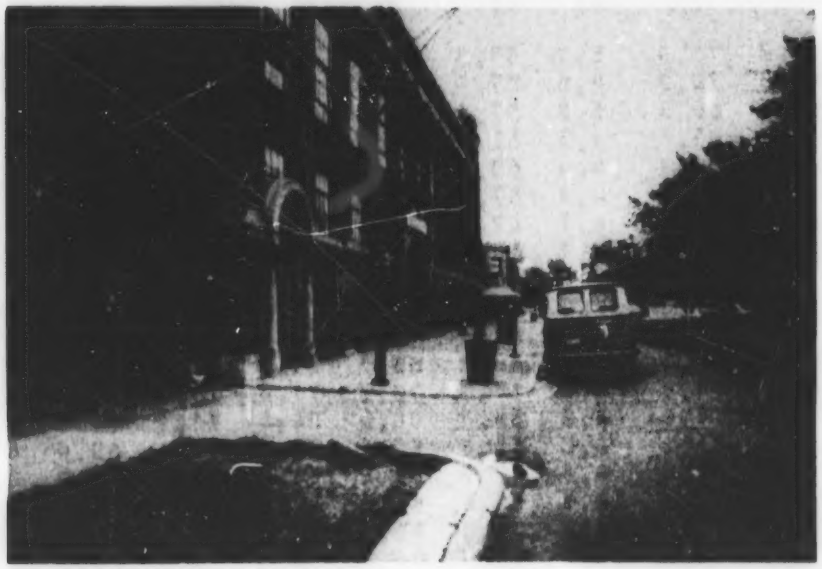
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	53.5	51.5	50.1	49.2	48.5	47.9	47.1	46.6	46.4	45.8
2	49.8	49.1	48.5	48.0	47.5	46.9	46.3	45.6	45.3	45.0
3	48.8	48.2	47.6	47.1	46.5	45.9	45.2	44.6	44.2	43.9
4	47.4	46.9	46.4	45.9	45.5	45.1	44.4	44.0	43.8	43.1
5	48.5	47.9	47.4	46.9	46.5	46.0	45.3	45.0	44.5	44.0
6	51.7	50.8	50.1	49.5	49.0	48.4	47.8	47.3	46.8	46.4
7	52.7	51.4	50.5	49.7	49.0	48.4	47.7	47.1	46.7	46.3
8	54.9	53.3	52.1	51.1	50.2	49.4	48.4	47.7	47.3	46.6
9	55.6	53.6	52.0	50.8	49.7	48.8	47.8	47.0	46.6	45.9
10	55.7	54.1	52.8	51.5	50.4	49.4	48.2	47.2	46.5	45.4
11	54.9	53.1	51.5	50.2	49.2	48.1	47.0	46.4	46.0	45.2
12	56.7	55.1	53.7	52.3	51.1	49.9	48.4	47.6	47.0	46.3
13	59.0	57.4	56.0	54.8	53.6	52.3	50.9	50.0	49.3	48.3
14	57.8	56.2	54.9	53.7	52.4	51.1	49.5	48.5	47.8	46.8
15	60.7	59.0	57.5	56.1	54.5	52.9	51.0	49.8	49.0	47.8
16	59.0	57.7	56.5	55.3	54.0	52.7	50.9	49.6	49.0	47.8
17	58.7	57.3	56.2	55.0	53.9	52.6	51.0	49.9	49.1	48.0
18	62.9	60.8	59.1	57.5	56.1	54.6	52.8	51.6	51.0	50.1
19	63.7	62.3	60.7	59.1	57.3	55.2	52.7	51.1	50.2	48.9
20	59.3	57.9	56.6	55.4	54.3	53.1	51.7	50.6	50.0	49.0
21	60.9	59.5	58.2	57.0	55.7	54.3	52.6	51.4	50.7	49.6
22	56.0	54.4	53.0	51.8	50.6	49.5	48.2	47.4	46.8	46.3
23	53.2	51.8	50.8	50.0	49.3	48.5	47.8	47.2	46.8	46.4
24	51.9	50.6	49.7	48.8	48.2	47.5	46.7	46.3	45.7	45.2

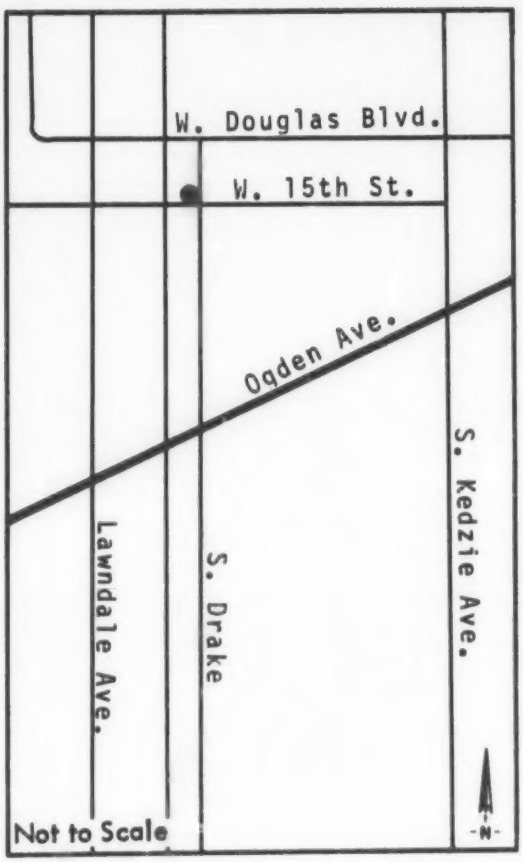
FIGURE B-32(b). HOURLY NOISE DATA FOR CHICAGO SITE 0508



	DAY '.'s	NIGHT "."s	WEIGHTING	WEIGHTED LEQ
MAX	101.2	82.5	0.	68.2
MIN	41.3	41.3	8.	62.1
MPL	76.4	65.9	10.	63.1
SIG	5.7	4.4	12.	64.3
LEQ	61.7	54.7		
TNI	77.8	56.4		
L1	71.8	65.3		
L3	68.1	61.1		
L5	66.4	59.8		
L10	63.8	56.0		
L20	60.8	52.6		
L30	58.7	50.9		
L40	57.0	49.8		
L50	55.5	48.9		
L60	54.0	48.2		
L70	52.5	47.6		
L80	50.9	46.8		
L90	49.2	45.9		
L95	48.0	45.2		
L97	47.5	44.8		
L99	46.4	44.8		

FIGURE B-32(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0508





L_{DN}:	68.4	dB
ρ:	65,000	people / sq.mi.

SITE: 0510

Address: Corner of Drake & 15th
Chicago, IL

Microphone Height: 6.1 m.

Distance to Curb: 4.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

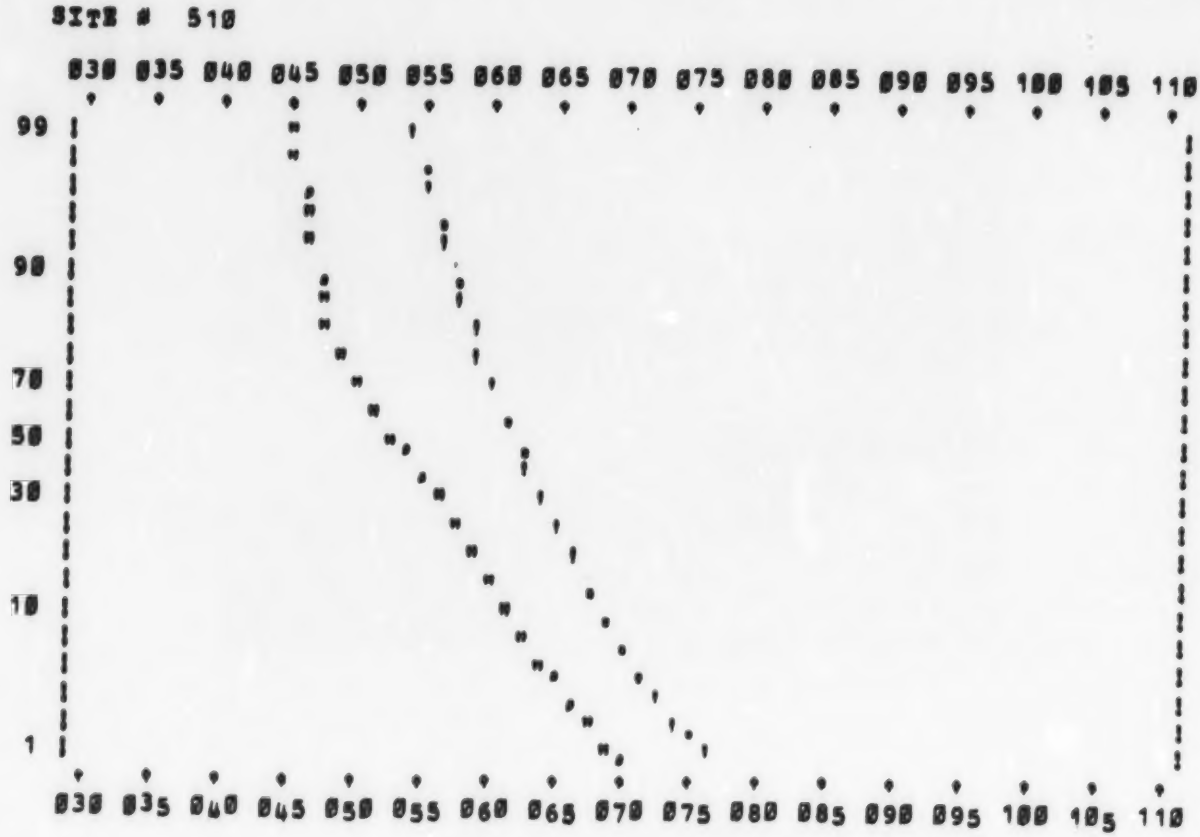
FIGURE B-33(a). DESCRIPTION OF CHICAGO SITE 0510

SITE # 510

HR	MAX	MIN	NPL	SIG	LBQ	TNI	L1	L3	L5	L10	L20
1	87.5	45.0	71.9	5.1	58.9	70.3	69.5	66.1	64.3	61.7	58.7
2	82.5	45.0	70.0	4.8	57.6	65.1	68.4	65.0	63.2	60.1	57.3
3	81.3	43.8	69.8	5.0	57.1	60.5	69.4	64.6	61.7	57.9	54.7
4	78.8	43.8	61.6	3.5	52.6	45.8	62.3	57.7	55.9	53.2	50.1
5	96.3	43.8	71.7	4.4	60.4	54.8	65.2	60.9	58.7	55.6	51.8
6	77.5	43.8	69.6	4.9	57.2	66.3	67.7	63.7	62.0	59.7	57.7
7	85.0	47.5	74.6	4.7	62.5	69.5	72.2	68.7	67.1	64.5	61.8
8	91.3	47.5	80.5	6.1	68.8	82.0	83.5	75.3	71.8	68.6	64.0
9	87.5	47.5	76.3	4.5	64.7	68.6	75.4	71.4	69.3	66.4	63.8
10	93.8	52.5	78.2	4.4	66.8	72.7	76.8	73.1	71.6	69.6	67.4
11	93.8	50.0	79.5	4.9	67.1	71.6	77.2	72.6	70.5	67.5	64.6
12	85.0	51.3	74.4	3.9	64.3	66.7	73.4	70.6	69.1	67.1	65.0
13	92.5	52.5	78.8	4.4	67.7	70.3	77.4	73.6	71.8	69.3	66.8
14	86.3	51.3	74.9	4.8	64.7	66.2	74.5	71.1	69.5	67.3	64.9
15	96.3	51.3	76.2	4.8	66.8	65.3	74.7	71.1	69.4	67.1	64.8
16	97.5	53.8	77.4	4.1	67.8	68.3	76.8	72.7	71.0	68.8	66.4
17	88.8	51.3	75.1	3.8	65.4	66.3	74.3	71.2	69.9	68.2	66.0
18	106.2	55.0	82.4	4.3	71.3	70.3	83.3	76.0	73.7	71.4	68.6
19	91.3	52.5	81.5	5.8	68.7	78.1	80.1	75.8	73.8	71.2	68.4
20	97.5	52.5	79.7	4.6	68.8	71.8	79.0	74.1	72.0	69.5	67.0
21	92.5	51.3	78.9	4.6	67.2	72.4	77.6	73.4	71.5	69.2	66.7
22	95.0	50.0	77.9	4.5	66.4	68.7	74.9	70.7	69.1	66.8	64.4
23	86.3	48.8	74.1	4.5	62.5	68.5	72.6	69.0	67.2	64.8	62.8
24	83.8	46.3	73.3	4.9	60.8	67.7	71.8	67.9	65.8	62.9	60.8

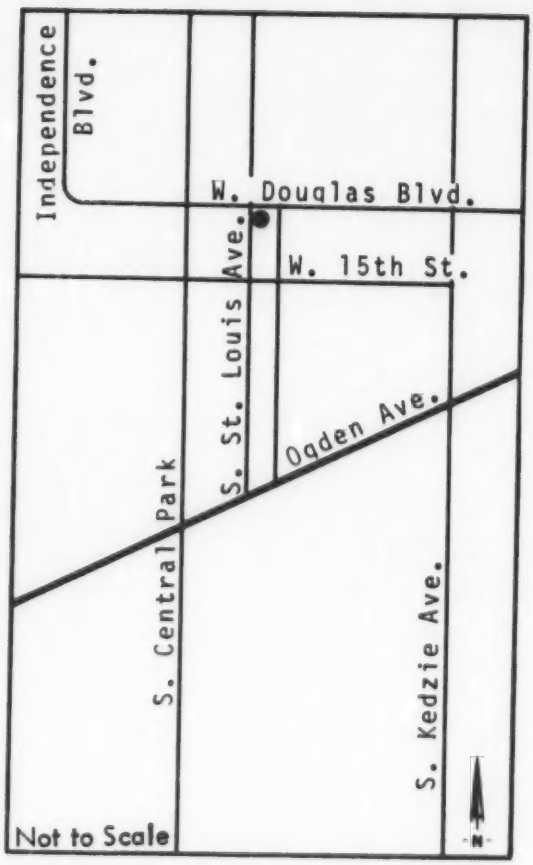
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.9	55.3	53.9	52.6	51.3	50.1	48.9	48.1	47.7	46.9
2	55.2	53.6	52.3	51.2	50.2	49.4	48.4	47.9	47.6	46.9
3	52.4	50.8	49.7	48.9	48.3	47.7	47.0	46.6	46.4	46.1
4	48.7	48.0	47.4	47.0	46.7	46.3	45.7	45.3	45.2	45.0
5	49.8	48.7	48.0	47.4	46.9	46.5	45.9	45.4	45.2	45.0
6	56.1	54.8	53.5	52.2	50.7	49.1	47.5	46.7	46.3	45.4
7	60.1	58.9	57.8	56.8	55.7	54.5	52.8	51.6	50.8	49.5
8	61.7	60.3	59.2	58.1	57.0	55.8	54.1	52.8	52.0	50.7
9	62.4	61.4	60.4	59.5	58.5	57.3	55.7	54.4	53.7	52.0
10	66.1	64.6	63.2	62.1	61.0	59.9	58.5	57.4	56.7	55.6
11	62.8	61.5	60.5	59.5	58.6	57.5	56.1	55.1	54.5	53.7
12	63.7	62.7	61.9	61.0	59.9	58.8	57.3	56.2	55.5	54.4
13	65.3	64.1	63.1	62.2	61.3	60.3	59.0	57.9	57.3	56.1
14	63.5	62.4	61.5	60.7	59.8	58.9	57.6	56.6	56.0	55.1
15	63.4	62.3	61.4	60.6	59.7	58.8	57.7	56.7	56.2	55.1
16	64.8	63.6	62.7	61.9	61.0	60.1	59.0	58.1	57.6	56.5
17	64.4	63.2	62.3	61.5	60.7	59.9	58.8	57.7	57.1	56.1
18	67.3	66.2	65.4	64.6	63.8	62.9	61.7	60.7	60.2	59.0
19	66.7	65.3	64.1	62.9	61.7	60.4	58.8	57.7	57.0	55.8
20	65.5	64.3	63.2	62.2	61.2	60.2	58.8	57.7	57.0	55.8
21	65.1	63.8	62.7	61.7	60.6	59.5	58.1	57.0	56.4	55.2
22	62.9	61.7	60.7	59.7	58.8	57.7	56.2	55.0	54.2	52.8
23	60.3	59.0	58.0	57.0	56.0	54.9	53.5	52.5	51.9	51.2
24	58.2	56.8	55.6	54.5	53.5	52.5	51.3	50.2	49.6	48.5

FIGURE B-33(b). HOURLY NOISE DATA FOR CHICAGO SITE 0510



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	106.2	96.3	0.	65.7
MIN	47.5	43.8	8.	67.5
NPL	79.4	74.5	10.	68.4
SIG	4.7	5.8	12.	69.5
LEQ	67.3	59.7		
TNI	72.5	75.0		
L1	77.2	70.0		
L3	72.9	66.2		
L5	71.1	64.3		
L10	68.7	61.5		
L20	66.2	58.6		
L30	64.5	56.7		
L40	63.3	55.0		
L50	62.2	53.3		
L60	61.2	51.6		
L70	60.1	49.8		
L80	59.0	48.3		
L90	57.4	47.0		
L95	56.1	46.4		
L97	55.2	45.9		
L99	53.7	45.3		

FIGURE B-33(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0510



L_{DN}:	70.7 dB
ρ:	65,000 people/sq.mi.

SITE: 0511

Address: Corner of St.Louis Ave. & Douglas, Chicago, IL

Microphone Height: 6.7 m.

Distance to Curb: 7.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks, Buses

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

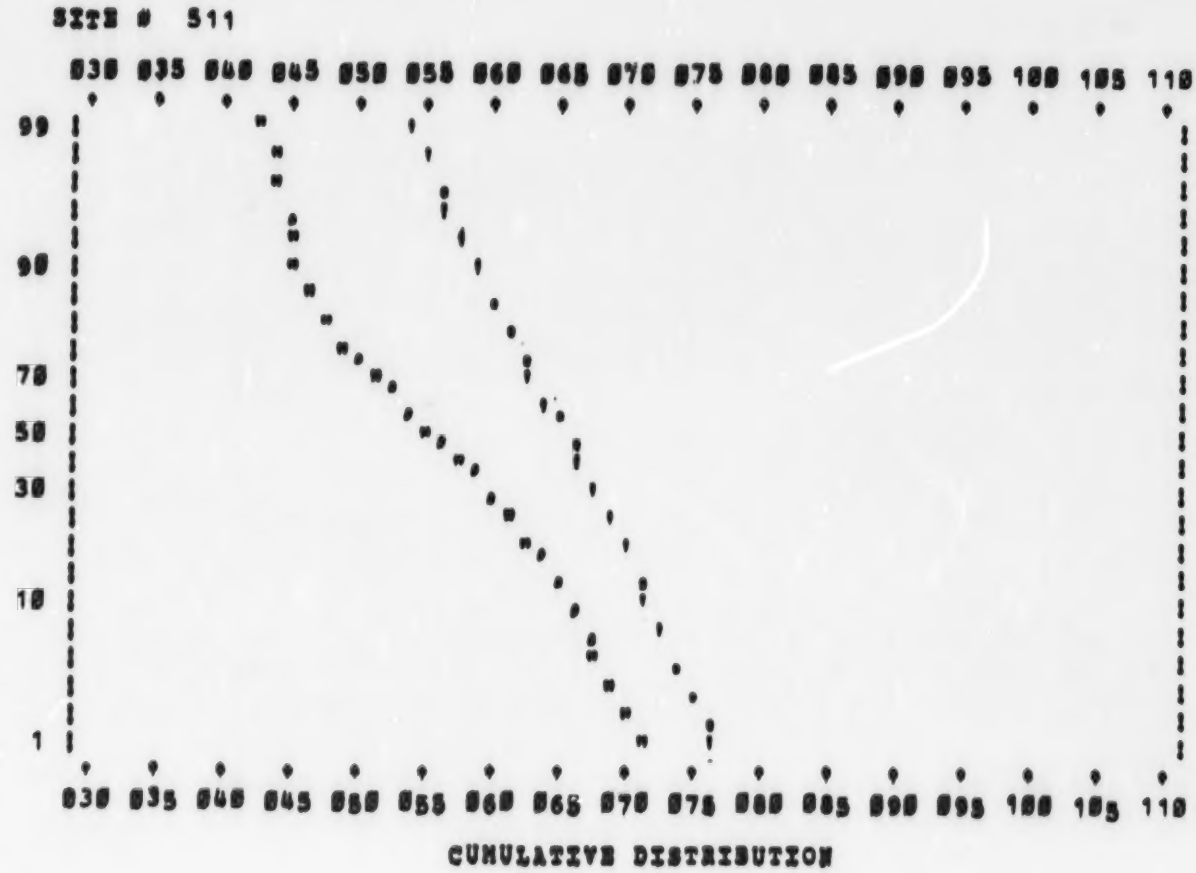
FIGURE B-34(a). DESCRIPTION OF CHICAGO SITE 0511

SITE # 511

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	88.8	43.8	76.6	5.4	62.8	78.8	71.8	69.5	68.4	66.6	64.1
2	87.5	43.8	75.7	6.8	60.3	82.3	69.6	67.3	66.1	64.1	61.1
3	86.3	42.5	75.6	6.5	59.8	83.8	69.8	67.8	65.4	62.5	59.3
4	81.3	41.3	71.4	5.9	56.3	71.4	67.8	63.8	61.6	58.3	54.8
5	77.5	41.3	69.9	5.8	55.2	72.1	66.5	63.6	61.5	58.6	54.2
6	98.8	42.5	77.8	6.8	61.2	86.9	78.8	68.3	67.8	64.9	62.8
7	85.8	46.3	80.1	5.5	66.8	81.9	75.1	72.3	71.8	69.4	67.4
8	87.5	47.5	79.3	5.1	66.2	80.7	73.9	72.2	71.3	70.8	68.8
9	88.8	47.5	79.3	5.3	65.8	79.7	74.4	71.9	70.9	69.1	66.8
10	100.8	48.8	80.7	6.5	74.1	81.7	86.3	78.7	74.8	69.7	67.2
11	98.8	50.8	82.3	5.1	69.3	76.3	76.9	72.9	71.1	69.8	66.8
12	88.8	50.8	76.7	4.4	65.6	71.5	74.5	71.9	70.4	68.6	66.5
13	97.5	52.5	81.5	4.7	69.6	73.3	79.5	75.2	73.2	70.3	68.1
14	91.3	52.5	77.4	4.8	67.1	70.3	75.7	73.8	71.7	69.9	68.2
15	88.8	53.8	77.1	3.9	67.8	69.7	74.8	72.4	71.2	69.9	68.2
16	96.3	53.8	85.1	4.8	72.7	76.9	83.6	78.8	75.8	73.3	71.4
17	86.3	55.8	79.4	3.8	69.8	72.3	78.9	74.4	73.7	72.9	71.6
18	96.3	53.8	81.3	3.9	71.4	73.7	77.8	76.4	75.7	74.5	72.9
19	88.8	57.5	80.5	3.9	70.5	74.9	77.1	75.9	75.1	74.8	72.3
20	90.8	56.3	79.5	3.9	69.4	73.6	76.2	74.7	73.8	72.7	71.1
21	90.8	55.8	79.2	4.8	68.9	74.1	75.5	74.8	73.3	72.1	70.5
22	81.3	53.8	77.7	4.1	67.3	73.3	74.2	72.8	72.1	70.8	69.8
23											
24	86.3	45.8	77.8	5.3	64.2	79.3	73.7	71.1	69.6	67.6	65.1

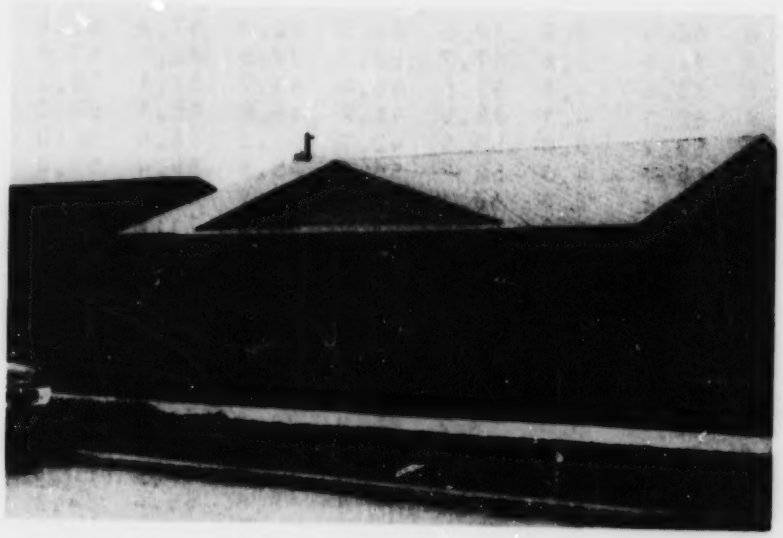
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	62.3	60.7	59.4	58.8	56.4	54.7	52.5	50.5	49.5	47.6
2	59.1	57.2	55.4	53.4	51.7	50.8	48.8	46.8	46.3	45.3
3	56.8	54.3	52.2	50.4	48.7	47.1	45.7	45.1	44.6	44.8
4	51.1	49.2	47.7	46.6	45.7	44.8	43.9	43.3	42.9	42.6
5	51.2	49.8	47.4	46.4	45.6	44.9	44.1	43.7	43.2	42.7
6	59.7	57.6	55.8	54.8	52.2	50.1	47.5	46.1	45.3	44.2
7	65.7	64.3	63.0	61.4	59.5	57.6	55.3	53.3	52.1	50.1
8	66.3	64.8	63.4	62.8	60.4	58.6	56.4	54.8	54.8	52.2
9	64.9	63.3	61.8	60.5	59.2	57.6	55.8	53.8	52.6	50.7
10	65.3	63.7	62.2	60.8	59.4	57.8	55.7	54.2	53.3	51.9
11	65.1	63.6	62.2	61.0	59.7	58.3	56.6	55.4	54.7	53.4
12	64.9	63.6	62.3	61.4	60.4	59.2	57.6	56.3	55.4	53.9
13	66.8	65.7	64.6	63.5	62.4	61.8	59.3	58.1	57.4	56.8
14	66.9	65.8	64.7	63.7	62.7	61.4	59.7	58.5	57.8	56.5
15	66.9	65.8	64.7	63.7	62.6	61.5	60.0	58.7	57.9	56.8
16	70.8	68.9	67.8	66.8	65.7	64.2	62.1	60.5	59.4	57.7
17	70.5	69.5	68.4	67.4	66.3	65.1	63.8	61.5	60.6	59.1
18	71.7	70.6	69.6	68.6	67.5	66.4	64.7	63.2	62.8	59.5
19	71.8	69.8	68.8	67.9	66.8	65.5	63.8	62.3	61.3	59.9
20	69.8	68.7	67.6	66.6	65.5	64.2	62.4	61.8	60.3	59.8
21	69.1	68.8	67.8	65.8	64.6	63.3	61.5	60.1	59.3	58.8
22	67.7	66.6	65.5	64.4	63.2	61.8	59.9	58.6	57.8	56.4
23										
24	63.4	61.9	60.4	59.1	57.6	55.9	53.7	52.2	51.4	50.8

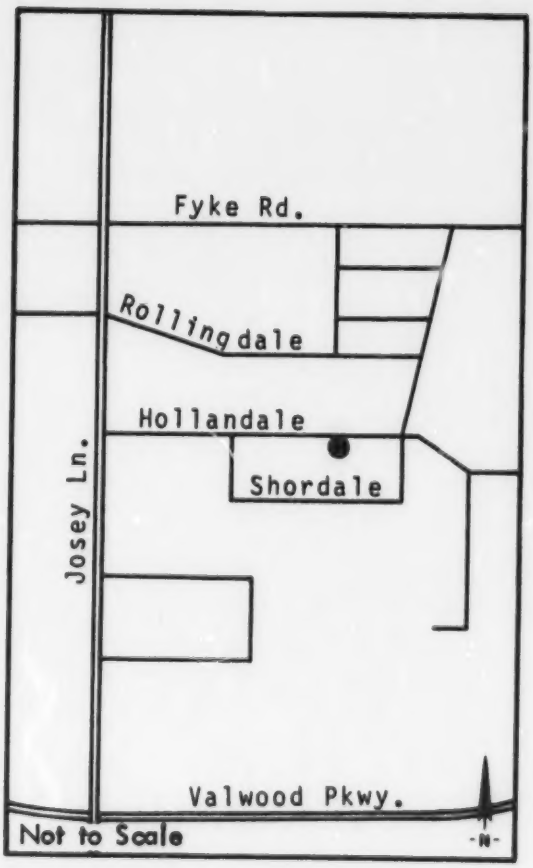
FIGURE B-34(b). HOURLY NOISE DATA FOR CHICAGO SITE 0511



	DAY '.'.	NIGHT ".".	WEIGHTING	WEIGHTED LEQ
MAX	100.0	90.0	0.	68.1
MIN	47.5	41.3	0.	69.8
NPL	83.0	81.0	10.	78.7
SIG	5.2	7.4	12.	71.8
LEQ	69.7	61.9		
TNI	81.3	95.9		
L1	77.4	72.1		
L3	74.7	69.4		
L5	73.6	68.0		
L10	72.0	65.8		
L20	69.8	62.8		
L30	68.3	60.3		
L40	67.0	58.2		
L50	65.7	56.0		
L60	64.3	53.5		
L70	62.8	50.9		
L80	61.1	48.2		
L90	58.9	45.6		
L95	57.0	44.6		
L97	55.9	44.1		
L99	53.9	43.2		

FIGURE B-34(c). DAY/NIGHT NOISE DATA FOR CHICAGO SITE 0511





L_{DN}:	65.9	dB
ρ:	8,400	people / sq.mi.

SITE: 1401

Address: 2776 Hollandale
Farmers Branch, TX

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

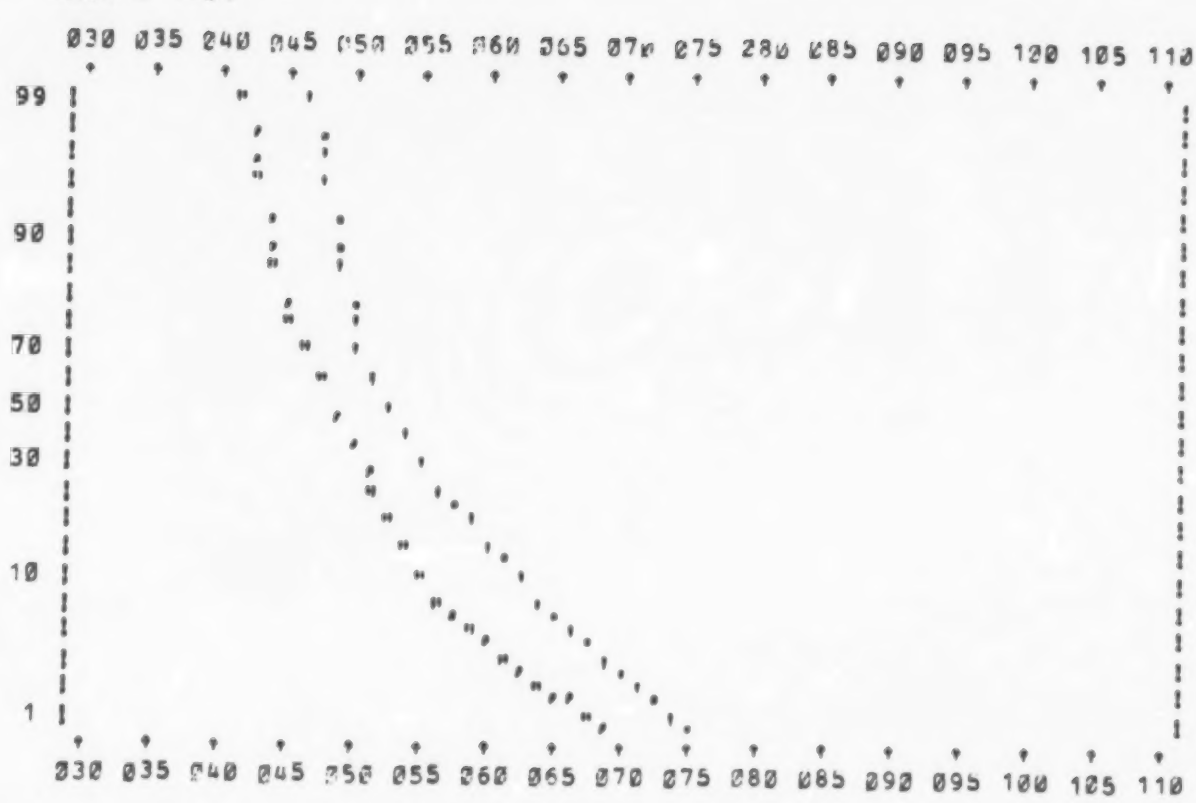
FIGURE B-35(a). DESCRIPTION OF DALLAS SITE 1401

SITE # 1401

HR	MAX	MIN	UPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	75.0	40.0	60.4	3.9	50.5	42.5	62.1	57.2	53.8	50.3	47.3
2	81.3	40.0	72.0	5.6	57.7	52.1	72.5	62.2	57.6	52.5	49.0
3	76.3	38.8	63.6	4.3	52.5	44.4	63.7	57.1	53.3	50.0	48.7
4	78.8	40.0	66.1	4.1	55.6	48.2	68.0	62.1	57.0	54.8	54.1
5	60.0	38.8	59.2	3.0	51.5	42.7	57.3	56.6	55.8	53.5	52.3
6	75.0	42.5	65.7	4.3	54.7	56.1	65.8	59.4	57.4	56.7	55.7
7	80.0	42.5	76.3	6.3	60.1	74.6	73.9	69.1	65.7	60.6	56.1
8	73.8	46.3	80.2	7.2	61.7	93.3	73.2	71.9	70.5	66.5	57.9
9	87.5	43.8	89.0	8.5	67.2	107.5	80.9	76.1	73.6	70.1	61.0
10											
11	88.8	43.8	83.8	7.4	65.0	90.7	78.5	73.8	70.9	66.4	61.5
12	110.0	30.0	90.1	6.5	73.4	83.5	73.5	70.0	67.7	64.6	59.9
13	87.5	45.0	73.3	4.9	60.9	66.8	72.6	67.3	64.7	61.5	58.4
14	85.0	46.3	74.8	5.3	61.2	70.2	73.4	68.8	66.1	62.6	59.1
15	110.0	45.0	82.7	5.3	69.2	66.3	71.8	66.5	64.1	60.4	56.0
16	86.3	45.0	74.3	5.5	60.2	68.2	72.2	67.7	64.8	60.7	56.6
17	83.8	46.3	73.5	5.2	60.1	68.7	72.3	67.0	64.4	61.6	57.8
18	80.0	45.0	71.9	5.1	58.9	70.9	68.8	65.4	64.0	62.4	60.4
19	86.3	45.0	73.6	5.2	60.4	63.7	73.4	67.0	64.0	60.2	56.7
20	86.3	45.0	76.4	5.8	61.6	70.1	75.4	69.5	66.0	61.7	57.8
21	85.0	45.0	77.9	6.1	62.4	76.1	75.4	69.8	67.2	62.9	58.6
22	86.3	43.8	75.0	5.7	60.4	69.8	73.5	69.3	66.5	61.1	56.3
23	81.3	43.8	70.1	4.9	57.6	58.7	71.0	63.4	61.0	57.3	53.8
24	76.3	41.3	70.0	5.4	56.1	58.8	69.7	64.5	60.8	55.3	49.8

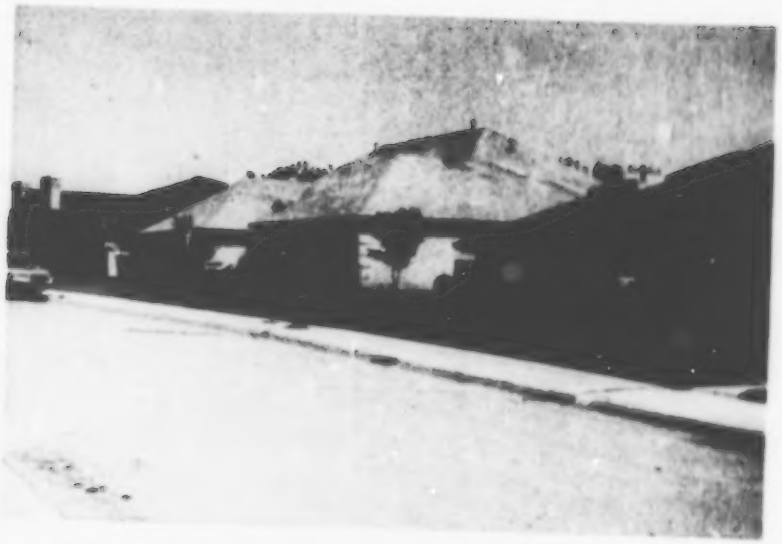
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	46.0	45.4	44.8	44.4	44.1	43.6	43.0	42.6	42.4	41.6
2	46.8	45.3	44.5	43.9	43.5	43.0	42.6	42.0	41.7	41.4
3	48.0	47.4	46.5	45.3	44.0	42.8	41.8	41.4	41.0	40.3
4	53.4	52.6	51.7	50.7	49.6	48.4	47.0	45.8	45.0	43.4
5	51.8	51.3	50.8	50.3	49.7	48.9	47.1	43.7	42.4	41.3
6	54.9	52.6	52.7	49.6	48.9	48.1	46.9	45.8	45.3	44.3
7	53.1	51.3	50.0	49.0	48.1	47.2	45.9	45.1	44.6	43.9
8	54.7	51.2	49.6	48.6	48.2	47.9	47.5	46.9	46.6	46.4
9	56.5	53.4	51.3	50.2	49.4	48.5	47.7	47.0	46.6	46.3
10										
11	58.3	55.6	53.4	51.8	50.6	49.5	48.3	47.6	47.0	46.4
12	56.5	54.1	52.4	51.1	50.0	49.2	48.3	47.7	47.5	46.6
13	56.6	55.5	54.7	54.1	53.3	52.2	49.7	48.7	48.1	47.6
14	56.9	55.4	54.3	53.3	52.2	51.1	50.1	49.2	48.9	48.1
15	53.5	52.0	50.9	50.2	49.6	49.1	48.4	47.9	47.7	47.3
16	53.8	52.2	51.1	50.2	49.6	49.0	48.2	47.7	47.5	46.7
17	55.3	53.6	52.3	51.4	50.7	50.0	49.2	48.8	48.4	47.7
18	58.2	55.8	54.0	52.6	51.6	50.6	49.6	48.9	48.5	47.8
19	54.5	53.0	52.2	51.2	50.5	49.8	49.0	48.4	48.0	47.6
20	55.3	53.4	52.2	51.2	50.5	49.7	48.8	48.1	47.8	47.2
21	56.2	54.4	53.1	52.0	51.0	49.8	48.5	47.7	47.3	46.6
22	53.8	52.4	51.4	50.6	49.9	49.1	48.2	47.6	47.2	46.5
23	51.8	52.5	49.6	48.9	48.3	47.7	46.9	46.4	46.2	45.3
24	48.0	47.1	46.5	45.9	45.3	44.7	44.1	43.7	43.2	42.7

FIGURE B-35(b). HOURLY NOISE DATA FOR DALLAS SITE 1401



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	12.0	81.3	0.	64.0
MIN	33.0	38.8	8.	65.2
NPL	81.3	69.7	10.	65.9
SIG	6.0	5.3	12.	66.8
LEQ	65.8	56.		
TNI	74.6	61.9		
L1	75.0	68.8		
L3	69.9	62.0		
L5	66.9	58.7		
L10	62.6	55.7		
L20	58.5	52.8		
L30	55.9	51.		
L40	54.0	49.7		
L50	52.6	48.6		
L60	51.4	47.5		
L70	50.5	46.2		
L80	49.6	44.9		
L90	48.7	43.6		
L95	47.9	42.7		
L97	47.6	42.3		
L99	46.7	41.4		

FIGURE B-35(c). DAY/NIGHT NOISE DATA FOR DALLAS SITE 1401



L_{DN}:	57.8	dB
ρ:	3,600	people / sq.mi.

SITE: 1402

Address: 7431 Wellcrest Dr.
Dallas, TX

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-36(a). DESCRIPTION OF DALLAS SITE 1402

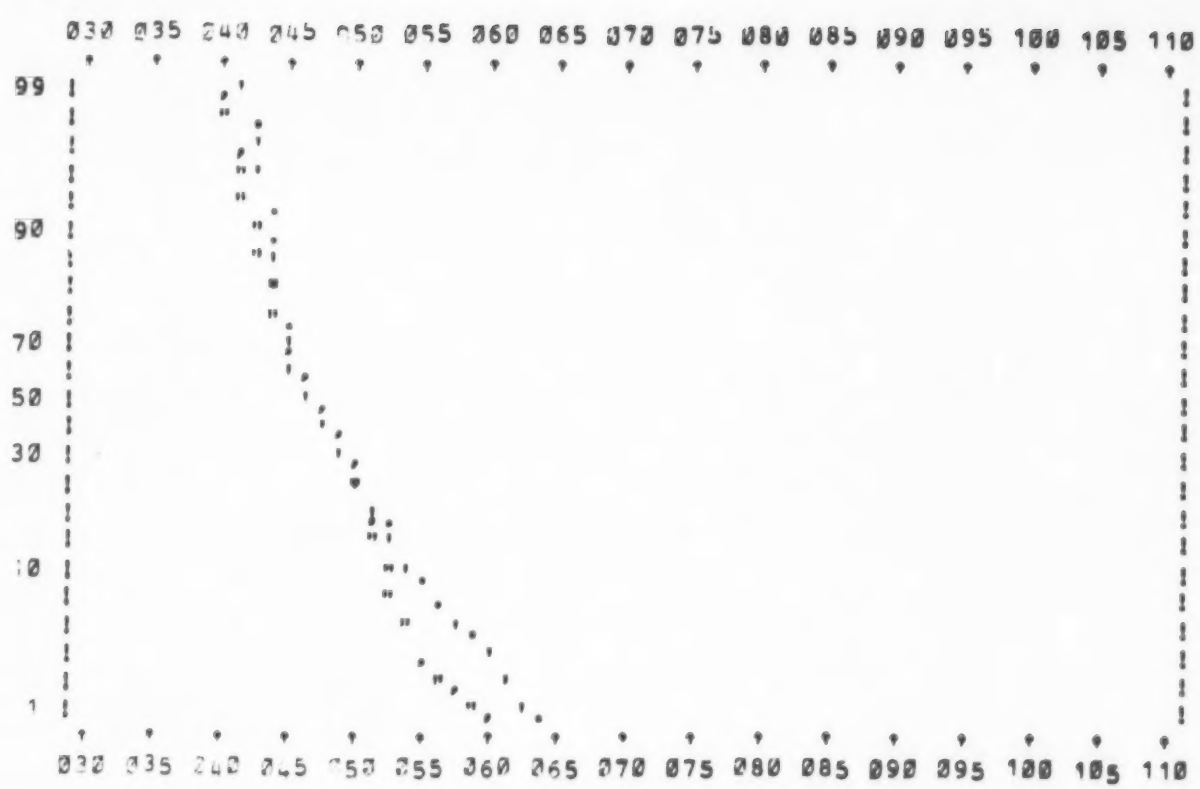
SITE # 1402

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	70.0	37.5	59.6	4.1	49.0	42.5	61.8	57.0	54.2	49.1	46.6
2	58.8	36.3	54.4	3.3	45.9	46.3	51.9	50.9	50.3	49.3	47.8
3	66.3	36.3	59.3	3.6	50.0	50.5	54.7	53.9	53.6	53.0	52.0
4	68.8	37.5	61.3	4.0	51.1	53.6	60.1	53.9	53.6	53.1	52.2
5	72.5	36.3	59.1	3.5	50.2	48.7	62.6	52.9	51.7	49.8	48.5
6	71.3	40.0	58.7	2.6	52.0	48.9	56.2	54.4	53.7	53.4	52.7
7	71.3	43.8	57.2	2.4	51.0	43.0	57.0	55.7	55.0	53.9	51.5
8	80.0	40.0	70.9	5.0	58.0	54.4	69.5	63.6	60.2	54.5	51.5
9	77.5	38.8	62.3	4.1	51.7	53.5	61.5	57.4	55.7	53.4	51.1
10	78.8	37.5	63.4	4.4	52.1	47.5	64.3	57.4	54.5	51.0	49.0
11	58.8	42.5	60.4	3.8	50.7	53.7	56.3	55.7	55.1	54.1	53.0
12	78.8	42.0	70.4	6.1	54.8	80.5	63.9	61.5	60.9	59.7	51.9
13	72.5	38.8	64.8	5.1	51.8	61.1	62.9	59.5	57.1	54.8	52.4
14	73.8	40.0	58.4	3.4	49.7	38.4	60.2	56.1	52.7	49.6	47.7
15	76.3	41.3	64.3	4.6	52.4	54.2	64.6	60.1	57.3	53.6	50.1
16	78.8	40.0	68.4	5.2	55.0	63.0	66.0	61.1	58.8	56.1	53.8
17	73.8	41.3	63.6	4.3	52.5	47.6	65.4	60.1	57.3	52.4	49.4
18											
19	97.5	41.3	66.9	3.9	56.8	44.4	63.0	57.2	54.7	51.5	49.0
20	85.0	41.3	66.9	5.1	54.0	60.3	65.5	61.0	59.0	55.4	51.4
21	86.3	42.5	66.4	4.3	55.3	59.3	64.6	60.0	58.6	56.9	54.9
22	78.8	41.3	60.2	3.8	50.4	50.1	59.4	55.6	54.2	53.0	51.0
23	73.8	41.3	59.7	3.7	50.3	39.9	62.8	55.9	53.1	49.9	47.2
24	76.3	41.3	65.8	4.9	53.1	56.2	66.2	61.6	57.9	54.1	49.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	45.2	44.5	43.9	43.3	42.6	42.0	41.3	40.5	40.2	39.4
2	46.5	45.4	44.4	43.4	42.4	41.4	40.3	39.5	39.1	38.6
3	51.1	50.0	49.1	48.2	47.2	45.8	43.8	41.3	39.9	38.9
4	51.3	50.7	50.1	49.2	47.7	44.9	43.0	42.0	41.5	40.6
5	47.7	47.0	46.3	45.7	45.1	44.1	42.9	41.9	41.4	40.3
6	52.2	51.7	51.2	50.6	49.9	49.0	47.6	45.9	44.9	43.8
7	50.8	50.2	49.7	49.3	48.9	48.3	47.5	46.8	46.4	45.6
8	50.1	49.3	48.5	47.8	47.2	46.1	44.6	43.7	43.2	42.7
9	49.7	48.8	47.9	47.0	46.0	44.8	43.3	42.4	41.8	41.1
10	47.7	46.7	45.8	44.9	44.1	43.2	42.2	41.4	40.9	40.2
11	52.0	50.6	48.8	47.1	46.0	45.1	44.3	43.9	43.8	43.0
12	48.5	46.5	45.4	44.7	44.1	43.5	42.8	42.3	41.9	41.4
13	49.6	47.1	45.7	44.7	44.1	43.4	42.6	42.0	41.6	41.3
14	46.8	46.0	45.5	45.0	44.5	44.2	43.3	42.8	42.6	42.0
15	47.8	46.6	45.8	45.1	44.6	44.1	43.4	42.9	42.7	42.5
16	52.5	51.4	50.3	48.8	46.1	44.7	43.8	43.0	42.6	41.8
17	48.0	47.0	46.2	45.7	45.1	44.6	44.1	43.8	43.4	42.8
18										
19	47.5	46.5	45.8	45.2	44.7	44.3	43.9	43.6	43.1	42.7
20	49.1	47.3	46.1	45.3	44.7	44.2	43.8	43.1	42.8	42.5
21	53.7	52.8	52.0	50.9	49.3	47.7	46.0	45.1	44.6	44.0
22	49.1	47.5	46.3	45.6	45.0	44.5	44.0	43.8	43.3	42.8
23	46.0	45.4	44.9	44.5	44.2	43.8	43.2	42.8	42.7	42.5
24	47.3	46.0	45.3	44.8	44.4	44.0	43.3	42.9	42.7	42.5

FIGURE B-36(b). HOURLY NOISE DATA FOR DALLAS SITE 1402

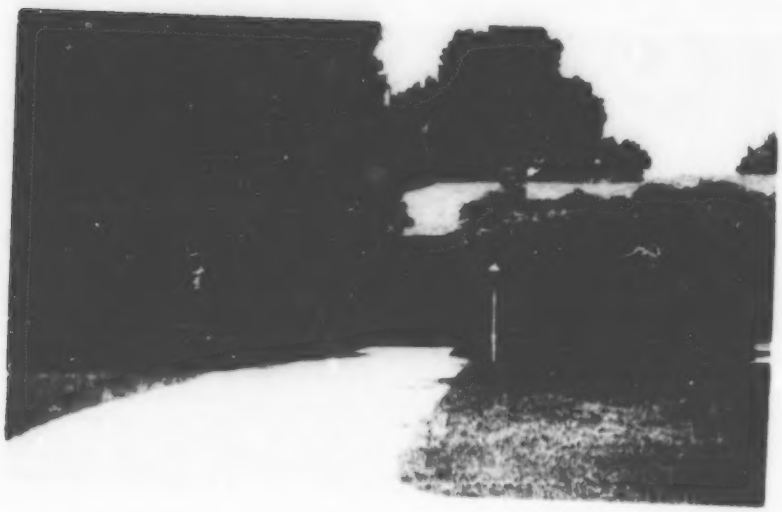
SITE # 1402

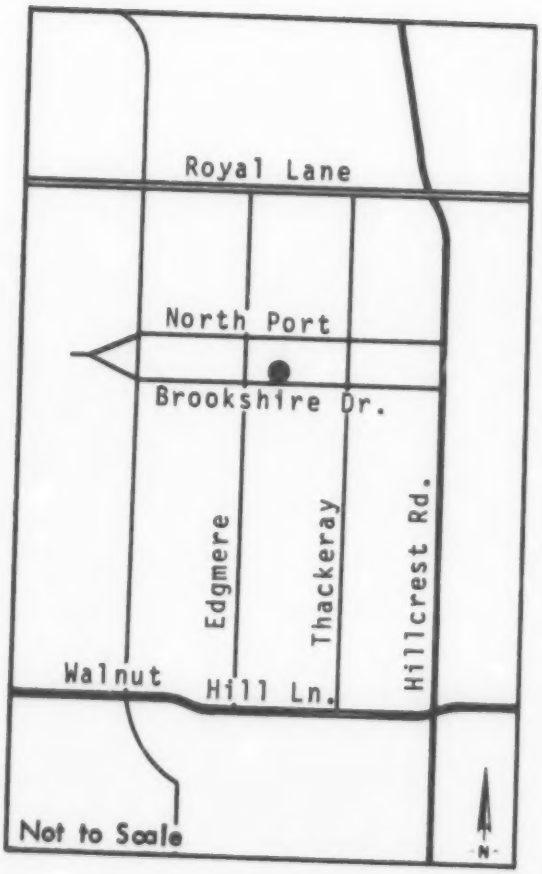


CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	97.5	76.3	0.	53.1
MIN	37.5	36.3	8.	56.4
NPL	66.5	61.5	10.	57.8
SIG	4.8	4.2	12.	59.3
LEQ	56.1	50.7		
TNI	57.4	52.7		
L1	64.4	60.7		
L3	62.2	55.		
L5	57.7	53.7		
L10	54.5	52.6		
L20	51.6	51.		
L30	49.6	49.8		
L40	48.0	48.6		
L50	46.8	47.3		
L60	45.8	45.9		
L70	44.9	44.8		
L80	44.3	43.9		
L90	43.5	42.6		
L95	42.8	41.5		
L97	42.5	40.7		
L99	41.5	39.5		

FIGURE B-36(c). DAY/NIGHT NOISE DATA FOR DALLAS SITE 1402





L_{DN}:	61.1	dB
ρ:	3,600	people / sq.mi.

SITE: 1403

Address: 6531 Brookshire Dr.
Dallas, TX

Microphone Height: 1.5 m.

Distance to Curb: 13.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:
Cicada locusts

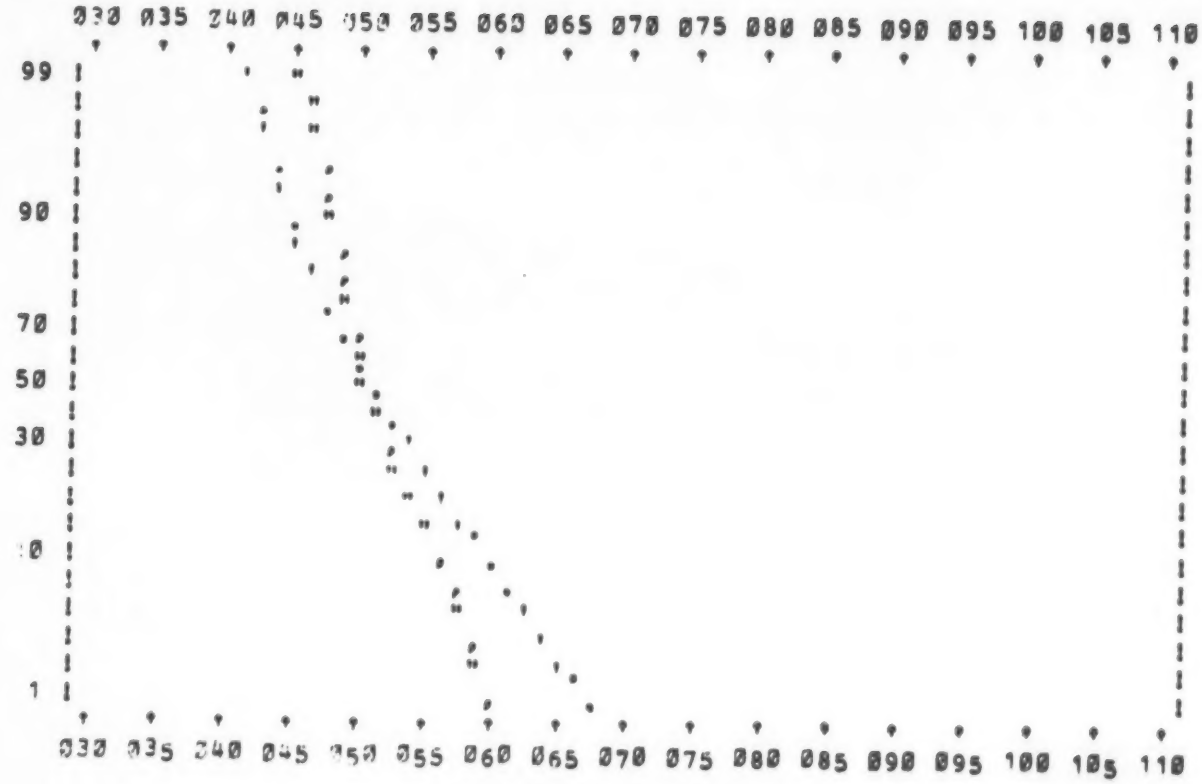
FIGURE B-37(a). DESCRIPTION OF DALLAS SITE 1403

SITE # 1403

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	42.5	55.3	2.0	50.2	35.7	54.7	53.0	52.4	51.7	50.9
2	58.8	41.3	53.3	1.6	49.2	33.1	53.0	51.2	51.1	50.8	50.3
3	58.8	42.5	55.0	1.7	50.5	34.7	55.8	54.6	53.6	52.3	51.3
4	70.0	42.5	61.9	3.5	53.1	52.6	62.7	58.6	58.0	56.4	53.6
5	75.0	46.3	63.9	3.1	55.9	51.7	64.5	59.6	59.1	58.3	57.0
6	63.8	46.3	62.0	2.6	55.3	49.1	60.8	59.7	59.1	58.2	56.9
7	66.3	43.8	64.4	4.1	54.0	58.5	59.9	59.2	58.5	57.3	56.2
8	77.5	41.3	67.8	4.8	55.4	50.3	69.0	63.6	59.4	53.6	49.9
9	75.0	40.0	62.8	4.5	51.2	55.7	62.7	59.1	57.1	53.7	49.4
10	87.5	37.5	69.7	5.1	56.6	53.3	66.5	58.6	55.7	51.9	47.5
11	103.7	38.8	74.3	5.2	65.[illegible]	65.5	65.7	61.8	60.3	57.4	54.5
12	66.3	47.5	60.4	2.5	53.9	43.3	62.1	58.9	57.4	56.0	54.6
13	85.0	47.5	74.8	5.1	61.7	75.1	70.9	68.0	67.0	65.6	63.7
14	78.8	45.0	68.8	4.3	57.8	65.5	65.0	63.2	62.3	61.1	57.5
15	76.3	42.5	69.7	4.9	57.1	68.6	66.4	64.2	63.0	60.7	58.0
16	78.8	42.5	67.2	4.5	55.7	60.7	65.9	62.3	60.5	57.8	54.5
17	81.3	43.8	68.5	4.7	56.6	63.6	67.2	63.0	61.4	58.9	56.4
18	72.5	42.5	63.8	4.1	53.4	54.0	63.5	60.9	58.4	55.7	53.4
19	80.0	42.5	68.9	4.8	56.7	65.7	66.2	62.1	60.7	59.3	57.6
20	75.0	41.3	75.6	6.1	60.0	80.5	70.9	68.2	66.1	63.2	60.4
21											
22	71.3	41.3	60.7	3.1	52.6	43.5	61.8	56.9	55.3	53.9	52.6
23	70.0	43.8	59.5	2.7	52.6	38.6	63.1	57.7	55.2	53.6	52.5
24	77.5	42.5	64.3	3.4	55.5	42.3	66.4	58.4	56.8	54.1	52.2

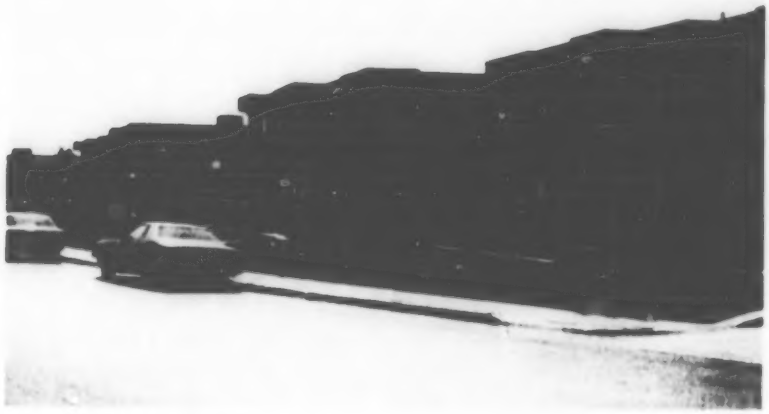
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	50.5	50.0	49.4	48.7	48.2	47.8	47.0	46.4	46.1	45.0
2	49.7	49.3	48.8	48.4	47.9	47.5	46.8	46.4	46.1	44.9
3	50.8	50.3	49.9	49.5	49.2	48.8	48.1	47.7	47.5	46.6
4	52.0	51.1	50.3	49.6	48.9	48.3	47.7	47.0	46.6	46.3
5	55.4	54.4	53.7	52.9	52.2	51.5	50.5	50.0	49.5	48.9
6	55.8	54.9	54.2	53.5	52.9	52.2	51.3	50.6	50.2	49.5
7	55.3	54.1	52.4	50.2	48.8	47.9	46.9	46.4	45.9	45.3
8	48.5	47.7	47.1	46.5	45.9	45.4	44.7	44.2	44.0	43.8
9	47.2	46.1	45.3	44.7	44.2	43.7	43.0	42.6	42.5	41.7
10	46.0	45.1	44.3	43.6	42.9	42.2	41.4	40.7	40.3	39.5
11	52.6	51.1	49.9	48.7	47.6	46.4	44.8	43.3	42.7	41.6
12	53.7	53.0	52.4	51.9	51.3	50.8	50.2	49.7	49.2	48.8
13	60.9	58.2	56.9	55.7	54.7	53.7	52.5	51.5	51.1	50.1
14	55.5	54.3	53.3	52.4	51.6	50.7	49.6	48.8	48.2	47.5
15	55.7	53.9	52.5	51.3	50.3	49.3	48.1	47.3	46.7	46.0
16	52.8	51.6	50.5	49.6	48.7	47.9	46.9	46.3	45.7	45.2
17	55.1	53.7	52.4	51.2	50.1	48.7	47.4	46.6	46.2	45.4
18	52.0	50.6	49.5	48.6	47.9	47.1	46.3	45.5	45.2	44.4
19	56.5	55.3	54.0	52.2	50.5	49.0	47.2	46.2	45.5	44.5
20	58.9	57.6	56.0	54.2	51.6	49.2	47.4	46.3	45.7	45.1
21										
22	52.0	51.3	50.8	50.4	49.8	48.8	47.3	45.2	44.4	43.5
23	51.6	51.0	50.6	50.2	49.7	49.2	48.6	47.7	47.2	46.5
24	51.5	50.9	50.2	49.7	49.3	48.8	48.0	47.6	46.6	45.3

FIGURE B-37(b). HOURLY NOISE DATA FOR DALLAS SITE 1403



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	73.7	77.5	0.	57.3
MIN	37.5	41.3	8.	59.9
NPL	73.5	62.2	10.	61.1
SIG	5.8	3.4	12.	62.5
LEQ	58.6	53.5		
TNI	74.0	51.9		
L1	67.8	60.4		
L3	64.4	58.7		
L5	62.7	57.9		
L10	59.7	56.3		
L20	56.3	54.0		
L30	54.2	52.4		
L40	52.5	51.4		
L50	51.0	50.7		
L60	49.5	50.0		
L70	48.2	49.3		
L80	46.7	48.6		
L90	44.9	47.7		
L95	43.5	47.0		
L97	42.8	46.5		
L99	41.5	45.6		

FIGURE B-37(c). DAY/NIGHT NOISE DATA FOR DALLAS SITE 1403



L_{DN}:	61.1	dB
ρ:	3,500	people / sq. mi.

SITE: 1404

Address: 6020 Birchbrook, #212
Dallas, TX

Microphone Height: 4.3 m.

Distance to Curb: 11.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-38(a). DESCRIPTION OF DALLAS SITE 1404

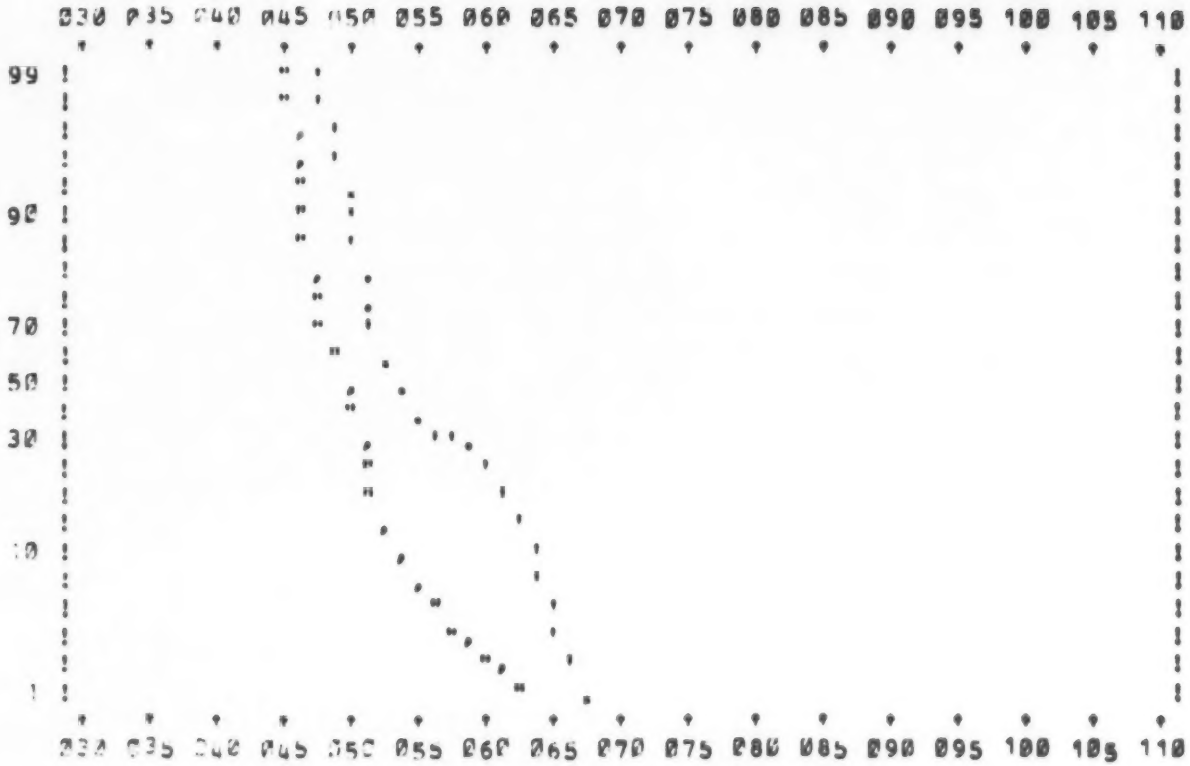
SITE # 1404

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	81.3	46.3	62.9	3.2	54.9	42.5	64.0	60.1	58.2	55.0	52.6
2	71.3	45.0	55.4	2.0	50.2	31.5	58.6	53.6	52.2	51.0	50.0
3	72.5	45.0	57.9	2.6	51.2	31.8	62.6	55.8	52.7	50.6	49.6
4	71.3	43.8	56.4	2.5	49.9	29.3	61.3	54.7	51.3	49.5	48.4
5	76.3	43.8	65.3	4.3	54.2	42.3	66.8	62.5	58.3	52.1	48.3
6	72.5	43.8	58.0	2.9	50.6	38.7	59.9	56.7	54.5	51.5	49.8
7	72.5	46.3	58.8	2.4	52.7	37.3	61.5	57.3	55.5	53.7	52.6
8	81.3	47.5	65.2	3.5	56.1	52.1	66.1	63.7	62.0	58.4	55.0
9	76.3	43.8	66.8	4.5	55.2	60.8	66.0	62.9	61.1	58.0	54.0
10	72.5	47.5	61.0	2.9	53.5	41.5	63.8	60.1	57.6	54.7	52.5
11	77.5	47.5	64.9	3.6	55.6	52.1	66.3	62.9	60.9	57.9	54.8
12	85.0	47.5	73.9	5.3	60.3	73.6	66.5	65.4	64.8	64.1	62.9
13	73.8	47.5	62.9	3.1	54.9	48.8	64.4	61.7	60.1	57.4	54.6
14	77.5	47.5	72.0	5.0	59.1	73.6	68.5	66.0	65.1	63.9	60.2
15	78.8	48.8	73.7	4.8	61.4	72.0	67.3	65.7	64.9	64.3	63.3
16	77.5	47.5	71.2	3.6	61.9	58.2	68.2	66.1	65.3	64.4	63.4
17	76.3	47.5	69.2	4.5	57.6	67.7	66.4	64.8	63.8	62.0	57.9
18	77.5	47.5	67.2	4.1	56.8	62.3	66.1	63.7	62.7	60.8	57.3
19	83.8	47.5	65.8	3.7	56.4	52.7	65.8	62.8	61.1	58.2	54.9
20	77.5	47.5	74.5	5.8	59.6	79.2	68.4	66.0	65.3	64.3	62.1
21	75.0	48.8	78.2	5.4	64.4	81.8	68.9	68.0	67.4	66.8	66.0
22	86.8	48.8	74.3	5.2	60.9	70.5	69.3	65.9	64.5	63.2	61.7
23	83.8	48.8	61.6	2.7	54.6	42.0	64.2	60.8	58.6	55.9	53.7
24	77.5	47.5	62.6	3.8	54.8	39.4	66.0	61.4	58.3	54.9	52.7

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	51.7	51.1	50.7	50.4	50.1	49.6	49.1	48.9	48.8	48.1
2	49.6	49.2	48.9	48.5	48.2	47.8	47.5	46.9	46.6	46.4
3	49.2	48.6	48.3	48.0	47.8	47.5	46.9	46.6	46.4	46.3
4	48.0	47.5	47.2	47.0	46.7	46.5	46.2	45.6	45.3	45.1
5	47.4	47.2	46.9	46.6	46.3	45.9	45.4	45.2	45.1	44.6
6	49.0	48.4	48.0	47.5	47.0	46.4	45.7	45.3	45.2	45.0
7	52.1	51.7	51.2	50.8	50.4	49.9	49.2	48.8	48.4	47.7
8	53.7	53.1	52.4	52.0	51.6	51.2	50.5	50.1	50.0	49.1
9	51.9	50.7	49.8	49.0	48.4	47.6	47.0	46.6	46.4	45.9
10	51.7	51.1	50.7	50.3	50.0	49.5	49.0	48.6	48.6	47.9
11	53.3	52.3	51.8	51.2	50.8	50.4	49.8	49.2	49.0	48.8
12	61.8	60.1	56.5	53.8	52.5	51.7	50.9	50.4	50.2	49.6
13	53.4	52.6	52.1	51.7	51.3	50.8	50.3	49.9	49.4	48.9
14	56.0	54.1	53.2	52.5	51.9	51.4	50.7	50.2	50.1	49.3
15	62.5	61.7	60.6	59.2	56.6	53.2	51.8	51.2	50.7	50.2
16	62.6	61.9	61.3	60.5	59.6	58.5	56.5	52.4	50.8	49.5
17	55.6	54.1	52.9	52.0	51.2	50.6	50.1	49.4	49.1	48.8
18	54.9	53.7	52.7	52.1	51.4	50.9	50.3	50.1	49.7	49.0
19	53.4	52.4	51.8	51.2	50.8	50.4	50.0	49.4	49.1	48.8
20	57.6	53.9	52.3	51.2	50.6	50.0	49.3	48.9	48.8	48.0
21	65.6	65.1	64.6	63.9	62.8	56.8	51.8	50.7	50.2	49.4
22	60.3	58.0	54.4	52.8	52.0	51.4	50.7	50.3	50.2	50.0
23	52.8	52.3	52.0	51.7	51.4	51.0	50.5	50.2	50.1	50.0
24	52.2	51.6	51.4	51.0	50.7	50.4	50.1	49.8	49.4	49.0

FIGURE B-38(b). HOURLY NOISE DATA FOR DALLAS SITE 1404

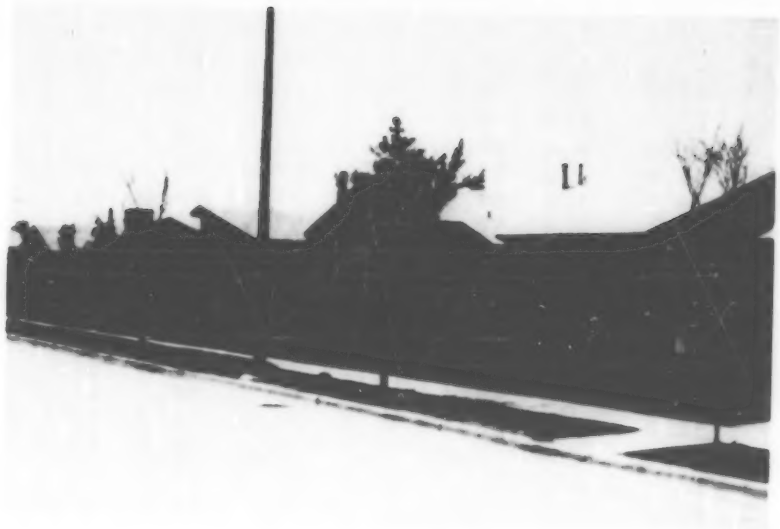
SITE # 1404

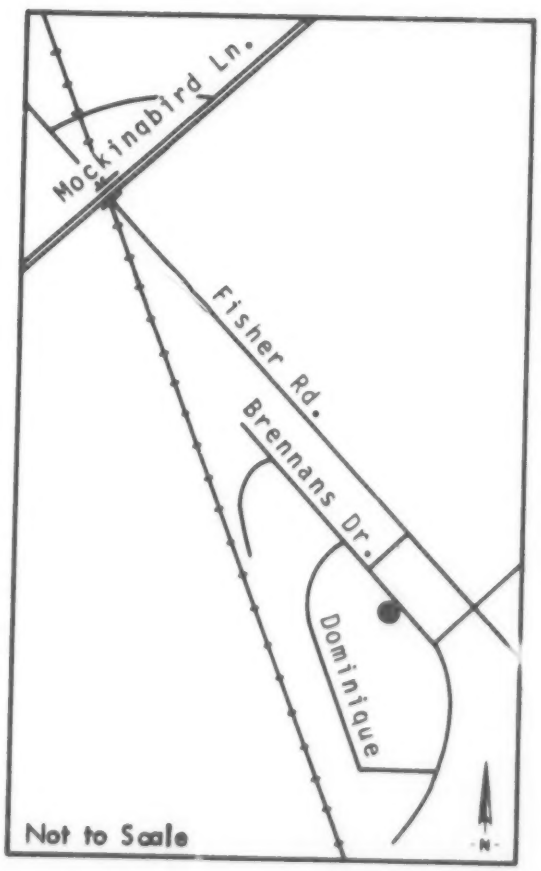


CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",","	WEIGHTING	WEIGHTED LEQ
MAX	88.8	83.8	0.	57.9
MIN	43.8	43.8	8.	60.1
NPL	73.4	61.8	10.	61.1
SIG	5.5	3.4	12.	62.4
LEQ	59.4	53.0		
TNI	75.5	44.3		
L1	67.6	63.5		
L3	66.0	58.7		
L5	65.3	56.2		
L10	63.9	53.5		
L20	61.6	52.0		
L30	58.5	51.		
L40	54.9	50.4		
L50	53.2	49.7		
L60	52.2	48.8		
L70	51.4	48.0		
L80	50.7	47.3		
L90	50.0	46.5		
L95	49.1	46.0		
L97	48.8	45.6		
L99	47.4	45.2		

FIGURE B-38(c). DAY/NIGHT NOISE DATA FOR DALLAS SITE 1404





L_{DN}:	56.3	dB
ρ:	3,300	people / sq. mi.

SITE: 1405

Address: 7314 Brennans Dr.
Dallas, TX

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

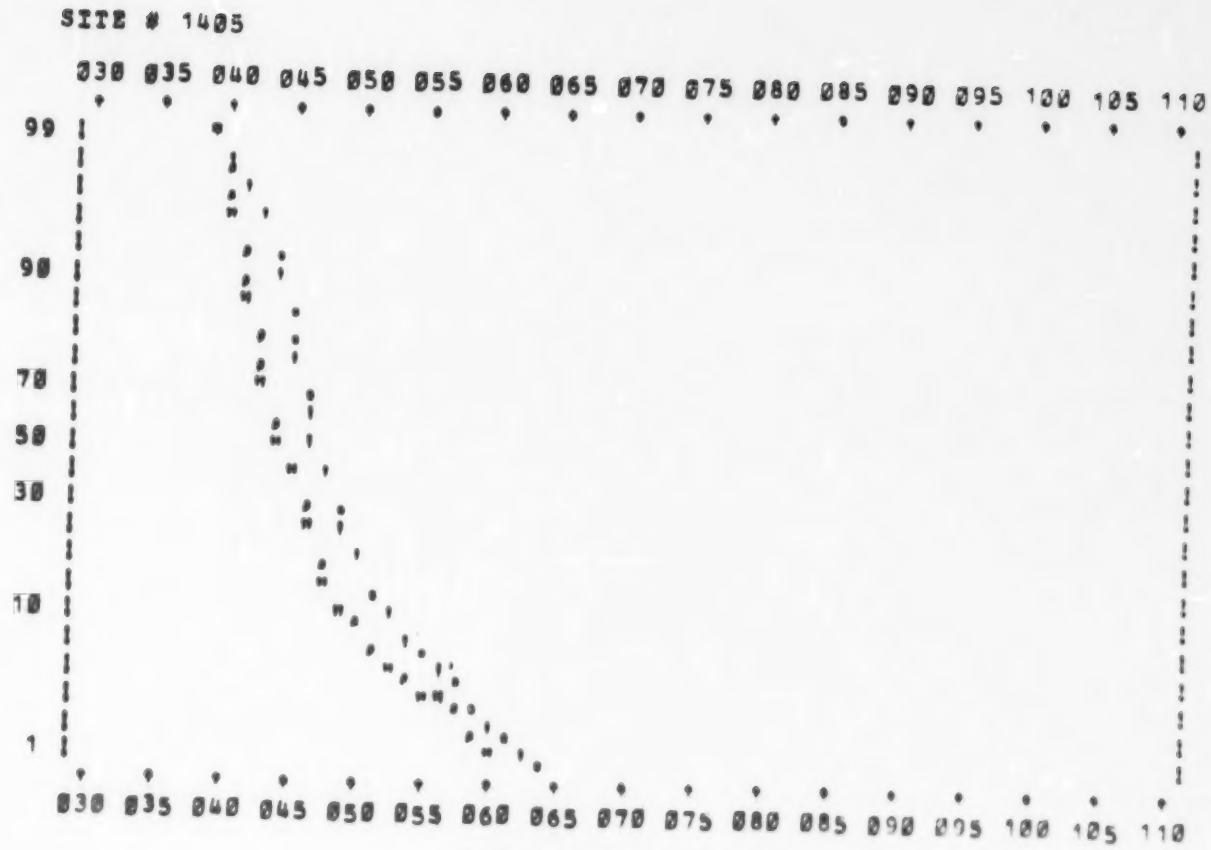
FIGURE B-39(a). DESCRIPTION OF DALLAS SITE 1405

SITE # 1405

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	71.3	41.3	55.3	2.7	48.5	28.2	58.6	52.1	49.9	47.5	46.5
2	62.5	40.0	47.9	1.6	43.9	24.4	48.6	46.1	45.6	44.8	44.2
3	68.8	37.5	58.1	3.7	48.5	33.1	62.6	53.4	49.8	46.1	44.6
4	66.3	36.3	55.3	3.6	46.2	29.8	59.4	53.1	48.3	44.4	43.2
5	68.8	36.3	64.3	5.3	50.6	60.5	62.9	59.6	58.6	53.2	46.8
6	71.3	37.5	64.4	5.2	51.0	56.6	63.4	59.7	58.0	52.3	45.1
7	67.5	40.0	56.7	3.1	48.9	42.3	57.8	54.7	53.6	51.0	48.9
8	72.5	43.8	55.4	2.1	50.1	32.8	57.9	53.7	52.4	51.1	49.9
9	73.8	40.0	58.1	3.2	49.8	37.1	61.5	55.6	52.6	49.8	48.0
10	80.0	35.0	73.1	6.6	56.2	76.4	78.2	62.6	60.8	56.7	51.1
11	77.5	35.0	68.6	5.9	53.6	60.4	67.8	61.8	57.4	52.1	49.2
12	70.0	41.3	61.3	4.0	51.2	46.7	63.1	58.9	56.3	52.3	49.8
13	76.3	41.3	58.2	3.1	50.1	37.3	59.6	55.1	52.8	49.9	48.0
14	76.3	41.3	63.9	4.5	52.5	59.5	62.9	58.6	57.2	55.7	51.8
15	78.8	41.3	60.9	3.4	52.3	39.9	61.5	56.3	53.7	51.2	49.2
16	75.0	40.0	59.6	3.4	50.8	39.7	62.6	55.6	53.1	50.5	48.3
17	80.0	41.3	61.1	3.7	51.6	47.5	60.7	57.2	55.3	52.6	49.5
18	76.3	41.3	62.6	4.2	51.9	53.5	63.1	59.8	57.7	54.2	51.1
19	71.3	40.0	57.6	3.3	49.0	43.7	59.1	55.7	53.7	51.3	48.6
20	76.3	41.3	62.9	4.1	52.4	47.9	64.3	60.2	57.7	53.2	49.8
21	78.8	43.8	63.7	3.8	54.0	44.7	66.5	62.8	57.5	53.8	52.1
22	78.8	45.0	64.0	4.1	53.6	50.7	65.0	61.0	58.7	55.1	50.2
23	67.5	43.8	56.6	2.6	49.9	35.6	59.5	55.6	53.8	51.1	49.2
24	73.8	42.5	59.7	3.3	51.2	34.4	63.0	56.7	53.6	49.9	47.8

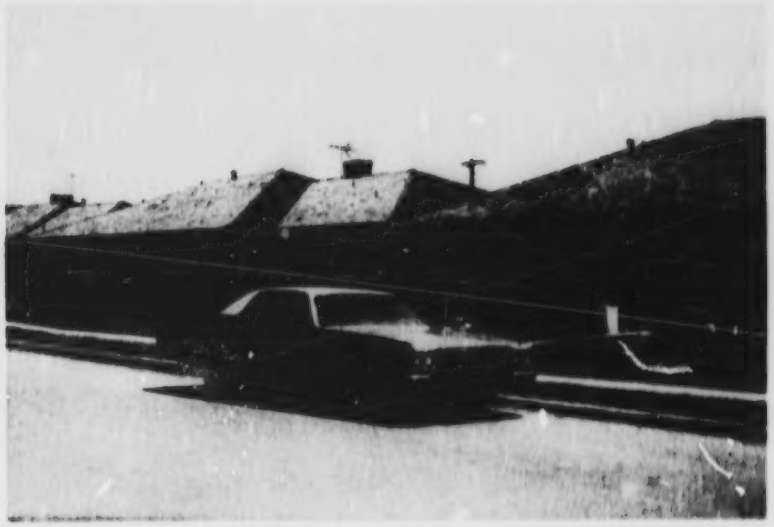
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	45.9	45.5	45.1	44.8	44.5	44.2	43.9	43.6	43.1	42.7
2	43.7	43.4	43.1	42.8	42.5	42.1	41.6	41.4	41.3	41.0
3	43.8	43.2	42.7	42.2	41.7	41.1	40.4	40.0	39.5	39.0
4	42.6	42.0	41.4	40.9	40.4	39.9	39.3	39.0	38.9	38.5
5	44.3	43.5	43.0	42.5	42.0	41.5	40.8	40.2	39.9	39.1
6	43.5	43.0	42.5	42.1	41.8	41.5	40.9	40.4	40.2	39.7
7	48.0	47.3	46.7	46.1	45.5	44.8	43.9	43.2	42.9	42.4
8	49.4	48.9	48.6	48.3	48.0	47.7	47.2	46.7	46.5	46.3
9	47.2	46.6	46.1	45.7	45.3	44.9	44.1	43.6	43.1	42.6
10	48.7	47.0	45.8	44.6	43.2	41.6	40.1	39.1	38.6	37.7
11	47.5	46.1	44.9	43.9	42.6	40.9	39.3	38.3	37.8	37.0
12	48.3	47.2	46.4	45.9	45.3	44.8	44.2	43.9	43.7	42.9
13	47.1	46.5	46.0	45.6	45.3	44.8	44.2	43.8	43.5	42.8
14	48.9	47.6	46.9	46.3	45.8	45.3	44.5	44.0	43.8	43.0
15	48.3	47.7	47.1	46.6	46.1	45.5	44.9	44.2	44.0	43.3
16	47.3	46.8	46.2	45.8	45.4	44.9	44.2	43.8	43.3	42.7
17	47.9	47.0	46.3	45.9	45.4	45.0	44.3	43.9	43.8	43.1
18	49.8	48.9	48.0	47.1	46.1	45.3	44.5	44.0	43.8	43.1
19	47.3	46.4	45.9	45.4	44.9	44.3	43.8	43.2	42.9	42.6
20	48.5	47.7	47.1	46.6	46.1	45.5	44.9	44.3	44.1	43.8
21	51.1	50.5	49.9	49.3	48.7	47.7	46.8	46.4	46.2	45.4
22	48.7	48.2	47.8	47.4	47.1	46.8	46.5	46.3	46.3	45.6
23	48.5	48.1	47.7	47.3	47.0	46.7	46.3	45.8	45.5	45.2
24	47.1	46.7	46.2	45.9	45.6	45.3	45.0	44.5	44.2	43.9

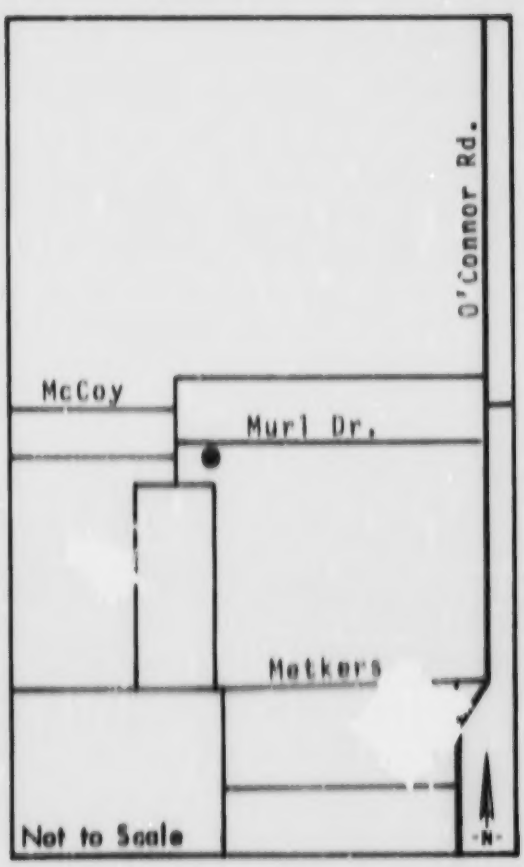
FIGURE B-39(b). HOURLY NOISE DATA FOR DALLAS SITE 1405



	DAY '.'.	NIGHT "."."	WEIGHTING	WEIGHTED LEQ
MAX	80.0	73.8		
MIN	35.0	36.3	0.	51.5
MDL	63.4	59.9	8.	54.9
SIG	4.3	4.1	10.	56.3
LEQ	52.4	49.2	12.	57.8
INT	48.5	44.7		
L1	63.8	60.8		
L3	58.8	56.6		
L5	56.2	53.2		
L10	52.6	49.5		
L20	50.0	47.4		
L30	48.7	46.3		
L40	47.8	45.4		
L50	47.1	44.4		
L60	46.4	43.5		
L70	45.7	42.8		
L80	45.1	42.0		
L90	44.8	41.1		
L95	42.9	40.3		
L97	41.4	39.8		
L99	39.1	39.1		

FIGURE B-39(c). DAY/NIGHT NOISE DATA FOR DALLAS SITE 1405





L_{DN}:	61.6	dB
ρ:	4,200	people / sq.mi.

SITE: 1406

Address: 800 Murl
Irving, TX

Microphone Height: 1.5 m.

Distance to Curb: 10.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars, Motorcycles

OTHER NOISE SOURCES:

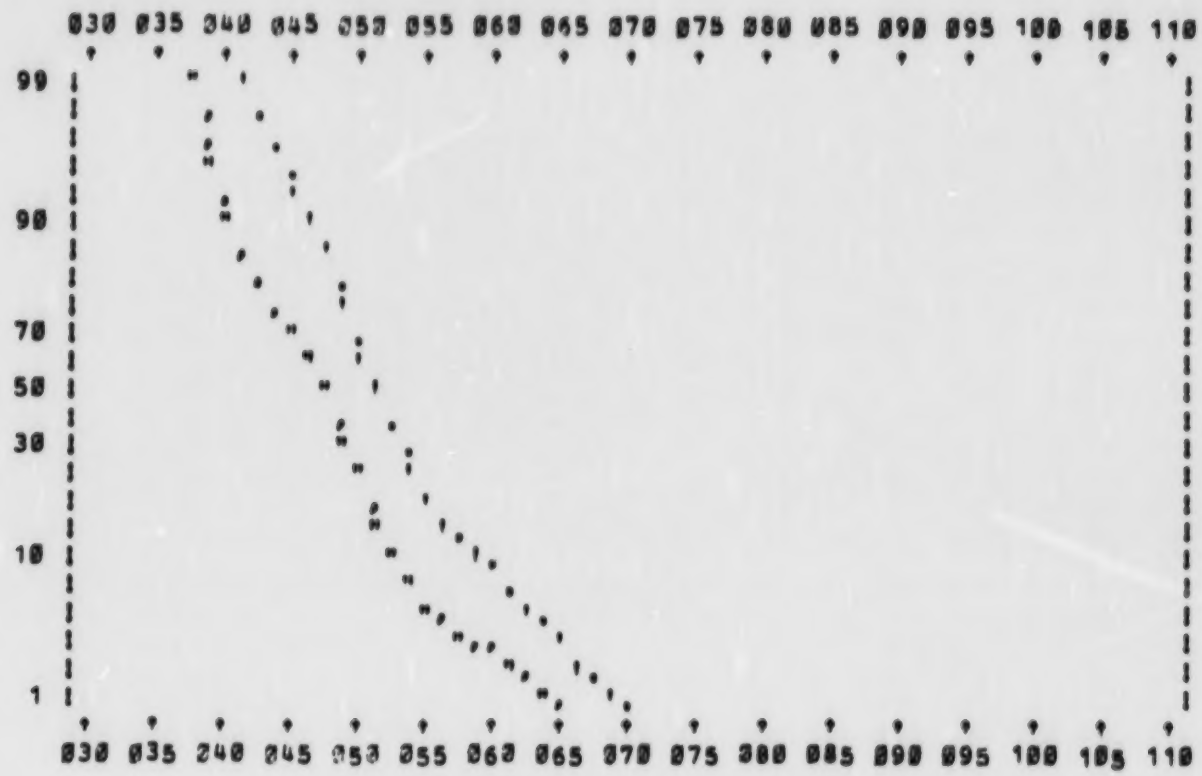
FIGURE B-40(a). DESCRIPTION OF DALLAS SITE 1406

SITE # 1406

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	77.5	37.5	63.4	4.4	52.0	49.2	63.6	60.0	55.0	51.3	49.6
2	73.8	37.5	62.9	4.3	51.9	48.1	64.8	56.0	53.4	50.9	49.4
3	78.8	36.3	69.2	5.5	55.0	54.1	68.2	60.0	55.4	51.1	48.6
4	77.5	35.0	58.8	4.0	48.4	44.2	54.1	51.0	49.0	47.7	46.8
5	60.0	35.0	55.2	4.0	44.9	47.9	52.1	49.9	48.9	47.9	46.9
6	77.5	36.3	59.0	4.0	48.8	49.3	56.1	52.5	51.5	50.0	48.6
7	81.3	41.3	68.6	4.7	56.5	55.2	66.6	63.8	60.9	56.2	53.2
8	78.6	45.0	70.2	4.6	58.5	56.4	72.0	65.7	63.1	58.4	55.1
9	76.3	43.8	65.0	3.9	55.0	51.9	66.1	62.0	59.3	56.2	53.8
10	76.3	40.0	68.2	4.8	55.9	61.0	67.4	62.9	60.3	57.5	55.5
11	80.0	37.5	74.8	6.5	58.1	72.5	71.5	66.1	63.1	57.6	54.6
12	88.8	38.8	74.8	6.1	59.3	72.2	72.4	66.7	63.5	58.7	53.8
13	76.3	37.5	69.6	5.9	54.4	71.4	66.4	63.5	61.3	56.4	50.5
14	87.5	48.8	90.9	8.2	70.0	97.5	84.0	79.8	77.1	69.9	58.6
15	97.5	46.3	75.7	5.3	62.1	69.8	72.3	68.1	65.8	62.2	57.4
16	82.5	43.8	71.9	5.1	58.7	66.6	70.9	66.1	63.9	60.2	56.0
17	80.0	42.5	68.6	4.8	56.3	65.2	67.6	64.1	62.4	59.1	54.8
18	83.8	43.8	73.5	5.6	59.3	73.8	71.9	66.6	64.4	61.5	56.8
19	81.3	43.8	69.6	4.7	57.5	64.4	68.6	65.0	63.2	59.8	55.9
20	83.8	42.5	68.7	4.6	56.9	60.0	66.9	63.3	61.1	57.7	54.3
21	78.8	45.0	68.5	4.4	57.2	61.5	67.8	64.3	62.3	59.5	56.5
22	83.8	45.0	72.4	4.5	60.9	53.1	73.7	66.2	63.2	58.6	55.9
23	77.5	42.5	64.4	3.6	55.3	46.4	66.2	62.1	59.0	55.7	53.8
24	82.5	42.0	70.5	4.4	59.1	44.5	73.2	63.8	59.5	54.6	52.3

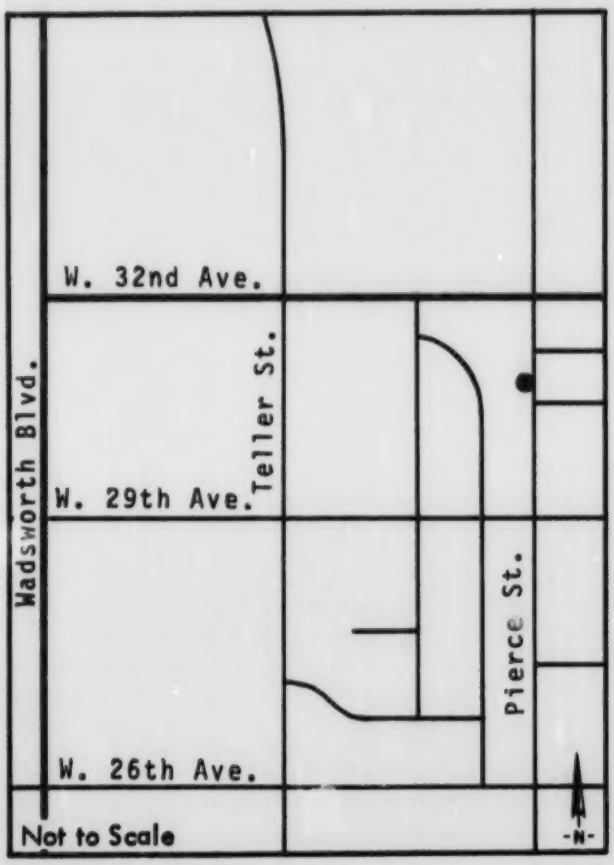
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	48.7	48.1	47.5	46.7	45.4	43.5	42.0	41.3	40.8	40.2
2	48.6	47.9	47.2	46.2	44.5	43.0	41.8	41.2	40.7	40.2
3	47.6	46.9	46.1	44.8	42.4	41.3	40.0	39.1	38.8	37.9
4	45.9	43.5	41.9	41.0	40.4	39.8	38.9	38.1	37.8	37.1
5	46.2	45.2	42.9	41.0	39.9	38.8	37.9	37.3	36.9	36.4
6	47.6	46.6	45.5	44.1	42.8	41.6	40.3	39.5	39.1	38.8
7	51.7	50.7	49.9	49.1	48.4	47.6	46.5	45.6	45.1	44.0
8	53.8	52.9	52.2	51.5	50.8	50.1	49.1	48.3	47.8	47.1
9	52.6	51.8	51.3	50.4	49.7	48.8	47.6	46.7	46.3	45.4
10	54.1	52.9	51.8	50.7	49.6	48.3	46.3	44.3	43.5	42.6
11	52.7	50.7	49.0	47.8	46.2	44.4	42.7	41.6	41.0	40.2
12	52.2	51.2	50.4	49.5	48.4	46.5	44.2	42.9	42.3	41.8
13	49.1	48.3	47.4	46.1	44.4	42.9	41.4	40.3	39.8	38.9
14	54.9	53.5	52.9	52.3	51.9	51.4	50.7	50.3	50.2	49.9
15	55.0	53.6	52.7	52.0	51.3	50.6	49.6	49.0	48.6	47.8
16	53.7	52.6	51.7	51.0	50.2	49.3	48.1	47.2	46.7	46.1
17	52.9	51.7	50.8	50.0	49.2	48.3	47.0	46.2	45.7	45.1
18	53.8	52.4	51.6	50.8	50.1	48.8	47.4	46.6	46.3	45.4
19	53.9	52.8	52.0	51.2	50.5	49.6	48.3	47.2	46.6	45.6
20	52.4	51.2	50.5	49.8	49.1	48.2	47.0	46.3	45.8	45.1
21	55.2	54.2	53.2	52.3	51.3	50.2	48.8	47.6	47.0	46.4
22	54.5	53.5	52.9	52.3	51.9	51.4	50.4	49.7	49.2	48.4
23	52.9	52.2	51.5	50.9	50.5	50.0	48.9	47.8	47.1	46.1
24	51.8	51.3	50.8	50.3	49.8	49.1	48.0	46.9	45.9	44.2

FIGURE B-40(b). HOURLY NOISE DATA FOR DALLAS SITE 1406



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	97.5	82.5	0.	57.4
MIN	37.5	35.0	8.	68.4
MPL	72.4	69.2	10.	61.6
SIG	5.4	5.4	12.	63.1
LEQ	58.6	54.3		
TNI	66.2	60.7		
L1	70.0	65.7		
L3	65.2	58.9		
L5	62.9	55.6		
L10	59.0	52.9		
L20	55.4	51.0		
L30	53.6	49.8		
L40	52.4	48.6		
L50	51.5	47.5		
L60	50.6	46.5		
L70	49.7	44.8		
L80	48.5	42.2		
L90	46.6	40.4		
L95	44.6	39.2		
L97	43.1	38.5		
L99	41.3	37.6		

FIGURE B-40(c). DAY/NIGHT NOISE DATA FOR DALLAS SITE 1406



L_{DN}:	62.6	dB
ρ:	5,400	people / sq. mi.

SITE: 1101

Address: 3035 Pierce
Wheat Ridge, CO

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

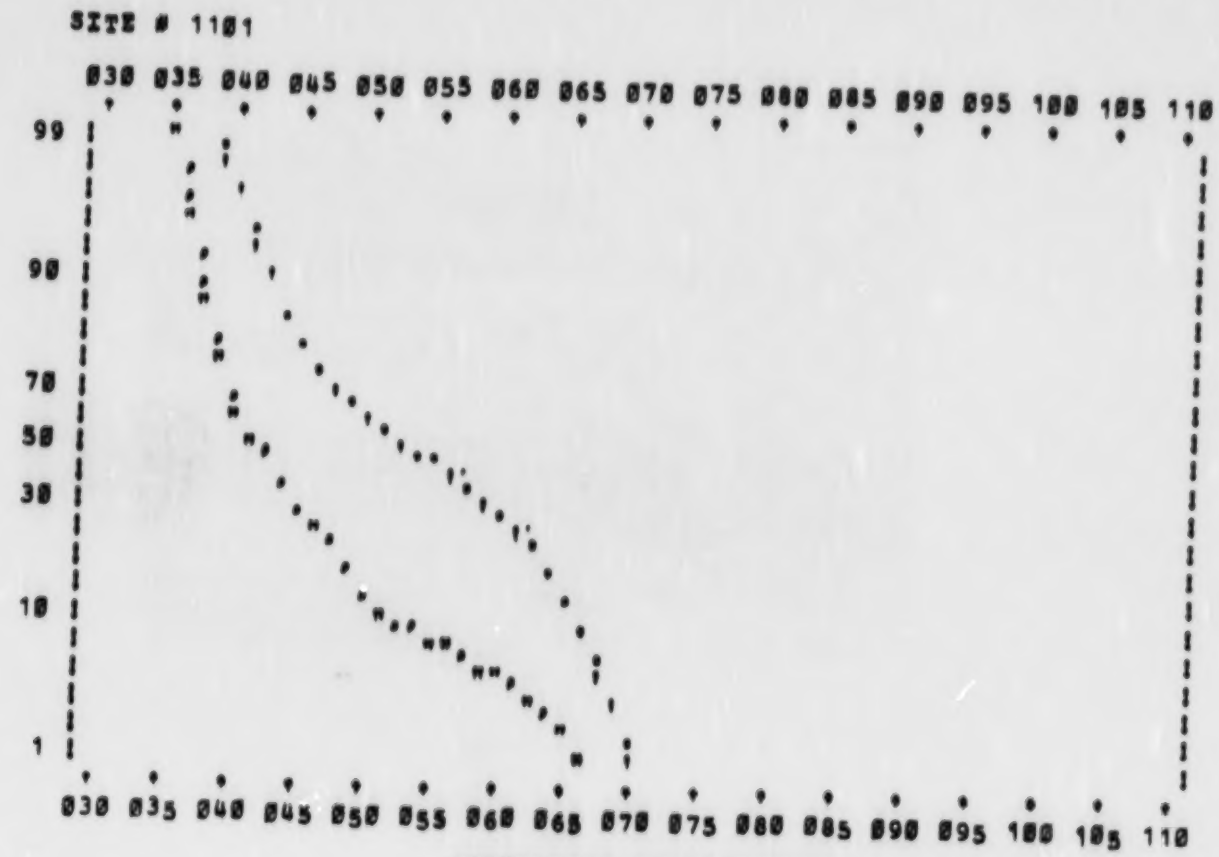
FIGURE B-41(a). DESCRIPTION OF DENVER SITE 1101

SITE # 1101

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	33.8	66.4	5.9	51.2	55.7	65.4	60.0	56.0	49.4	43.9
2	75.0	33.8	62.5	5.0	49.8	38.9	64.0	54.8	49.6	44.6	41.8
3	76.3	32.5	58.9	4.4	47.7	39.6	59.2	48.9	46.7	44.1	41.4
4	73.8	33.8	60.5	4.5	49.1	33.7	63.7	51.2	46.8	43.6	41.6
5	71.3	33.8	52.9	3.3	44.6	32.6	53.8	47.0	45.2	43.5	41.7
6	73.8	36.3	64.0	4.7	52.0	45.6	65.8	60.2	54.8	50.0	48.0
7	81.3	43.8	74.6	6.2	58.8	88.1	69.8	67.7	66.1	63.2	58.3
8	92.5	42.5	87.1	8.0	66.7	98.3	77.9	72.8	70.4	67.4	64.6
9	92.5	36.3	83.3	8.8	68.7	102.4	78.5	67.7	66.4	64.1	60.0
10	86.3	35.0	87.4	10.0	61.9	112.5	72.6	68.3	67.1	64.9	61.2
11	83.8	35.0	84.8	9.1	61.4	107.3	71.0	68.5	67.3	65.4	62.3
12	88.8	37.5	84.1	8.7	62.8	106.3	70.2	68.2	67.2	65.6	62.7
13	76.3	37.5	80.8	7.7	61.8	99.7	69.6	67.8	66.9	65.4	63.1
14	76.3	36.3	85.7	9.8	60.7	112.4	69.9	68.1	67.2	65.6	63.0
15	85.0	35.0	85.8	9.4	61.8	109.5	70.7	68.3	67.2	65.8	63.4
16	76.3	37.5	83.9	9.8	60.9	106.9	70.2	68.5	67.5	65.9	63.2
17	78.8	42.5	82.1	6.6	65.1	92.1	72.4	71.2	70.5	69.2	67.5
18	78.8	40.0	83.6	8.2	62.6	102.1	71.0	69.7	68.9	67.5	65.2
19	85.0	38.8	83.0	8.2	61.9	108.8	71.6	68.9	67.7	66.0	63.0
20	82.5	40.0	82.7	8.1	62.0	98.9	71.2	69.1	68.0	66.1	63.2
21	80.0	40.0	79.4	7.5	60.3	94.0	69.8	68.2	67.1	65.1	61.9
22	87.5	38.8	78.5	7.6	59.2	94.2	69.4	67.3	66.1	63.6	58.7
23	76.3	37.5	74.2	7.0	56.2	84.4	68.4	65.7	64.0	59.7	51.4
24	76.3	36.3	71.7	6.5	55.0	71.1	68.1	64.6	61.7	55.5	48.5

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	42.2	41.1	40.3	39.6	39.0	38.2	37.3	36.5	36.1	35.3
2	40.6	39.8	39.2	38.6	37.9	37.3	36.5	35.9	35.5	35.1
3	39.8	38.7	38.0	37.4	36.9	36.4	35.6	35.2	34.9	34.1
4	40.6	39.8	39.3	38.7	38.2	37.7	36.9	36.4	36.0	35.3
5	40.7	39.9	39.4	38.9	38.4	37.9	37.2	36.6	36.4	35.7
6	46.9	46.0	45.3	44.5	43.7	42.8	41.5	40.5	39.9	38.9
7	54.2	51.5	50.2	49.4	48.7	48.1	47.5	46.7	46.4	45.7
8	62.8	60.9	58.7	56.1	52.5	49.8	47.1	45.6	44.9	44.0
9	56.8	51.5	48.0	45.3	43.7	42.5	41.3	40.4	40.1	39.1
10	57.1	52.7	48.4	45.2	42.8	40.9	39.0	37.9	37.3	36.5
11	58.9	55.4	51.8	48.3	45.4	43.3	41.5	40.3	39.6	38.3
12	59.6	57.2	54.9	51.4	48.3	44.8	42.8	40.7	40.1	39.1
13	60.8	58.5	56.6	54.5	51.7	48.0	43.9	42.0	41.2	40.0
14	59.9	56.2	51.8	47.4	44.2	41.9	40.0	38.9	38.3	37.7
15	60.5	56.9	53.2	49.5	46.1	43.4	41.2	40.0	39.2	38.0
16	60.1	56.0	52.0	48.8	46.1	44.0	42.3	41.5	41.0	40.2
17	66.0	64.4	62.3	59.8	57.1	54.3	51.6	50.0	49.2	47.7
18	62.9	60.0	56.5	52.8	49.9	47.9	45.9	44.9	44.3	43.3
19	60.2	56.9	53.5	50.4	48.0	46.2	44.4	43.3	42.8	42.0
20	59.8	56.1	52.6	49.9	48.0	46.5	45.1	44.1	43.8	42.8
21	58.4	54.6	51.8	49.7	48.2	46.8	45.5	44.6	44.1	43.2
22	54.3	51.3	49.1	47.3	45.9	44.7	43.4	42.6	42.0	41.3
23	47.7	45.3	44.7	43.7	43.0	42.3	41.4	40.7	40.4	40.0
24	46.1	44.8	43.8	43.0	42.2	41.4	40.3	39.6	39.1	38.6

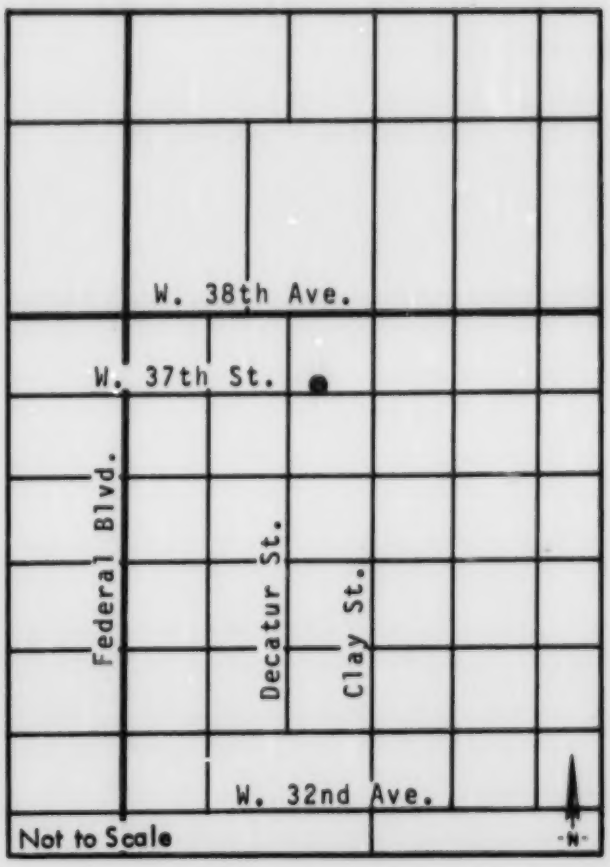
FIGURE B-41(b). HOURLY NOISE DATA FOR DENVER SITE 1101



	DAY ','	NIGHT '"'
MAX	92.5	81.3
MIN	35.0	32.5
NPL	84.7	71.2
SIG	8.9	6.9
LEQ	61.8	53.6
TNI	106.8	68.3
L1	71.0	67.1
L3	69.8	63.1
L5	67.9	59.6
L10	66.1	52.5
L20	63.3	48.0
L30	60.2	45.4
L40	56.8	43.4
L50	53.4	41.9
L60	50.1	40.6
L70	47.4	39.5
L80	45.0	38.4
L90	42.5	37.2
L95	40.9	36.5
L97	40.1	36.0
L99	38.5	35.2

WEIGHTING	WEIGHTED LEQ
0.	60.2
8.	61.7
10.	62.6
12.	63.6

FIGURE B-41(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1101



L_{DN}:	58.3	dB
ρ:	11,300	$\frac{\text{people}}{\text{sq. mi.}}$

SITE: 1103

Address: 2741 W. 37th
Denver, CO

Microphone Height: 1.5 m.

Distance to Curb: 6.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE 3-42(a). DESCRIPTION OF DENVER SITE 1103

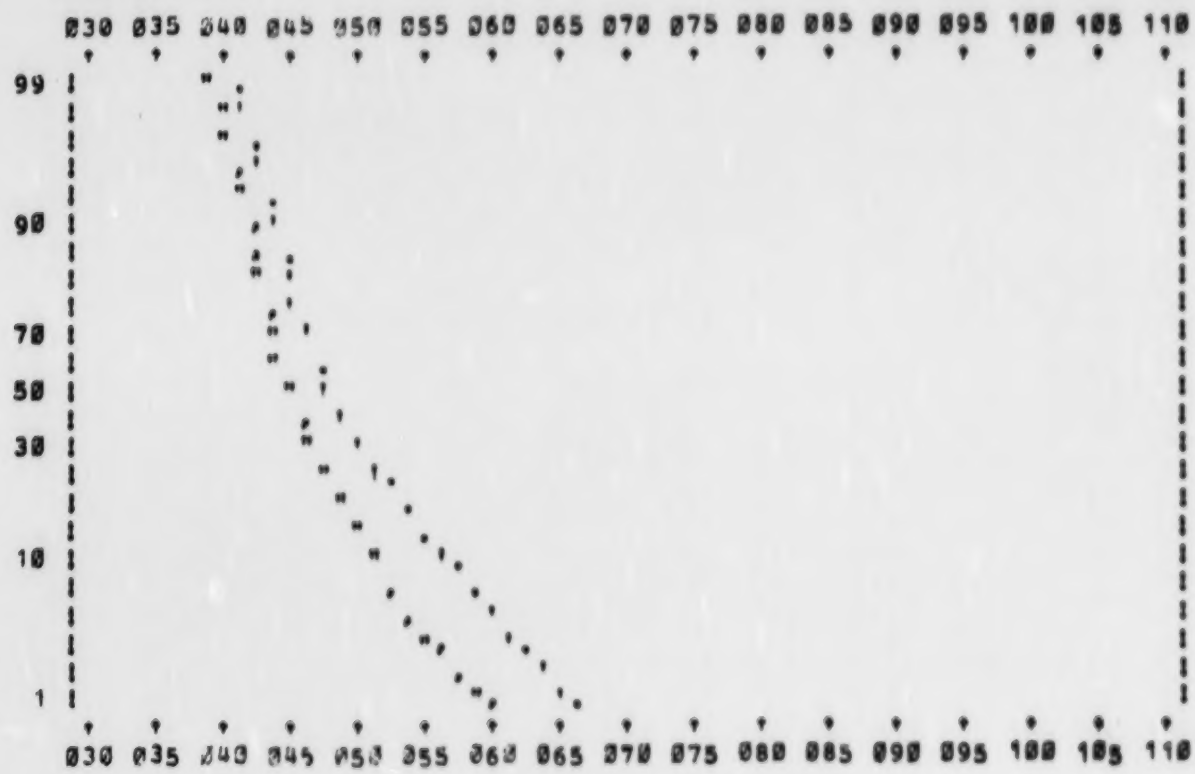
SITE # 1103

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	78.8	38.8	59.8	3.4	51.0	35.2	61.2	53.7	51.0	48.3	46.7
2	77.5	37.5	58.6	3.7	49.1	36.7	60.4	54.6	51.4	47.6	45.2
3	70.0	36.3	55.7	3.5	46.8	37.8	58.6	53.3	50.4	47.4	45.2
4	70.0	36.3	56.7	3.3	48.1	35.5	58.1	49.1	47.8	46.4	45.2
5	62.5	37.5	51.3	2.3	45.5	33.3	51.8	49.6	48.6	47.3	46.1
6	73.8	41.3	58.4	3.3	50.0	44.2	59.7	55.8	53.9	51.8	50.0
7	78.8	45.0	66.0	3.7	56.5	42.1	70.6	62.1	58.3	54.8	53.0
8	75.0	45.0	67.0	4.4	55.7	61.2	66.3	63.8	62.2	58.7	54.6
9	75.0	37.5	59.8	5.9	54.8	69.0	67.3	63.1	60.3	56.5	52.8
10	78.8	36.3	67.7	5.8	52.7	68.8	64.5	60.9	58.7	55.4	51.3
11											
12	80.0	40.0	67.6	4.8	55.4	54.7	67.0	61.6	59.0	54.6	51.3
13	77.5	38.8	67.8	5.4	53.9	65.6	65.9	62.0	59.8	56.1	52.4
14	78.8	40.0	66.6	4.8	54.3	54.5	67.0	61.0	57.6	54.0	50.8
15	76.3	42.0	66.8	4.8	54.5	52.5	67.7	61.5	58.2	53.6	50.0
16	83.8	38.8	74.2	5.9	59.1	61.3	72.9	63.6	59.6	55.0	50.1
17	92.5	41.3	70.3	4.7	58.1	67.0	66.8	63.9	62.4	60.2	57.8
18	81.3	42.5	69.4	4.9	56.8	63.9	67.8	63.5	61.4	58.5	55.4
19	77.5	41.3	66.8	5.1	55.8	63.5	67.5	63.5	61.3	57.6	53.7
20	75.0	41.3	61.5	3.8	51.7	46.8	62.6	58.8	56.4	52.8	50.1
21	78.8	42.5	63.8	4.2	53.2	53.2	64.7	60.5	58.5	55.1	51.8
22	73.8	42.5	62.8	4.0	52.5	51.8	63.5	60.6	58.7	54.7	51.0
23	73.8	42.5	58.6	3.3	50.2	43.4	60.3	56.7	54.9	52.2	49.5
24	73.8	40.0	56.8	3.1	48.8	37.5	58.6	54.5	52.2	49.3	47.4

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	45.9	45.3	44.8	44.3	43.9	43.4	42.7	42.1	41.7	41.3
2	44.4	43.7	43.3	42.8	42.4	41.8	41.3	40.6	40.3	39.8
3	44.4	43.7	43.2	42.7	42.2	41.5	40.6	39.9	39.3	38.8
4	44.4	43.6	43.1	42.5	41.8	41.1	40.1	39.3	39.0	38.5
5	45.5	44.8	44.4	43.9	43.4	42.8	42.0	41.4	41.1	40.3
6	49.0	48.2	47.5	46.9	46.2	45.4	44.3	43.6	43.1	42.6
7	52.1	51.5	51.0	50.6	50.2	49.7	49.1	48.7	48.1	47.6
8	52.5	51.6	50.8	50.1	49.4	48.7	47.9	47.5	47.0	46.5
9	50.3	48.4	47.0	45.8	44.6	43.5	42.3	41.6	41.3	40.3
10	48.0	46.0	44.8	43.8	42.9	42.0	40.9	40.2	39.7	38.9
11										
12	49.5	48.4	47.5	46.9	46.2	45.5	44.6	44.0	43.7	42.8
13	50.0	48.3	47.0	45.9	45.0	44.1	43.0	42.3	41.8	41.3
14	49.1	47.9	46.9	46.1	45.4	44.6	43.8	43.1	42.7	41.9
15	48.4	47.4	46.7	46.0	45.3	44.6	43.9	43.2	42.8	42.2
16	48.2	47.1	46.2	45.5	44.8	44.0	42.9	42.1	41.6	40.8
17	56.3	55.0	54.1	53.2	52.2	50.6	47.9	46.1	45.3	44.0
18	53.5	52.2	51.2	50.1	48.9	47.9	46.7	45.9	45.4	44.5
19	51.3	49.9	48.8	48.0	47.2	46.5	45.6	45.1	44.5	43.8
20	48.7	47.9	47.2	46.6	46.1	45.5	44.9	44.2	44.0	43.4
21	49.9	48.8	48.1	47.4	46.9	46.4	45.7	45.3	45.1	44.4
22	49.5	48.6	48.0	47.4	46.9	46.4	45.6	45.2	45.0	44.1
23	48.2	47.4	46.9	46.5	46.0	45.6	45.1	44.6	44.2	43.9
24	46.7	46.1	45.6	45.1	44.6	44.0	43.2	42.7	42.5	41.7

FIGURE B-42(b). HOURLY NOISE DATA FOR DENVER SITE 1103

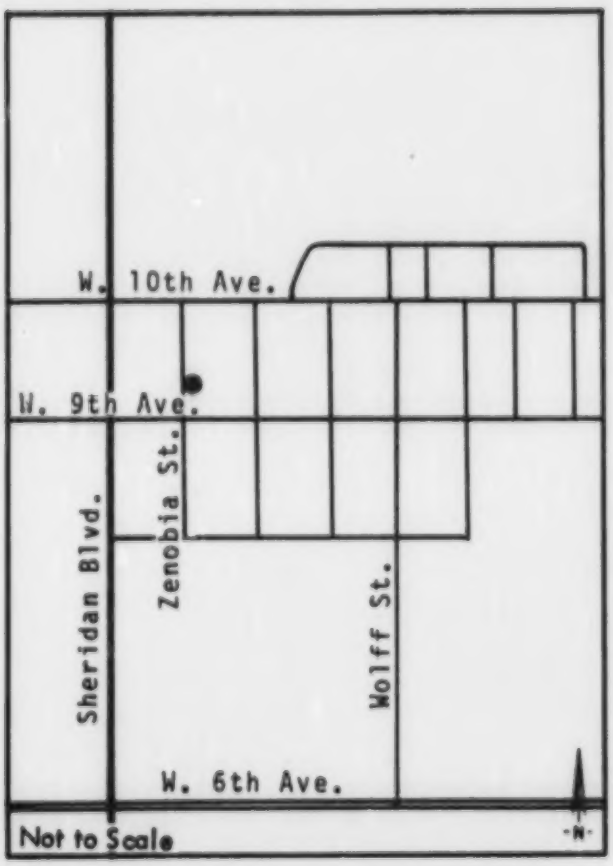
SITE # 1103



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	92.5	78.8	0.	54.2
MIN	36.3	36.3	0.	57.0
NPL	69.0	61.5	10.	58.3
SIG	5.3	4.2	12.	59.7
LEQ	55.4	50.8		
TNI	64.9	49.8		
L1	66.5	60.7		
L3	62.3	55.5		
L5	60.0	53.4		
L10	56.7	51.3		
L20	53.2	49.1		
L30	50.9	47.3		
L40	49.3	46.2		
L50	48.2	45.3		
L60	47.2	44.5		
L70	46.3	43.8		
L80	45.3	42.9		
L90	44.0	41.9		
L95	42.8	41.0		
L97	42.1	40.4		
L99	40.9	39.4		

FIGURE B-42(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1103



L_{DN}:	60.7	dB
ρ:	8,200	people / sq. mi.

SITE: 1104

Address: 948 Zenobia
Denver, CO

Microphone Height: 1.5 m.

Distance to Curb: 4.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars, Buses

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

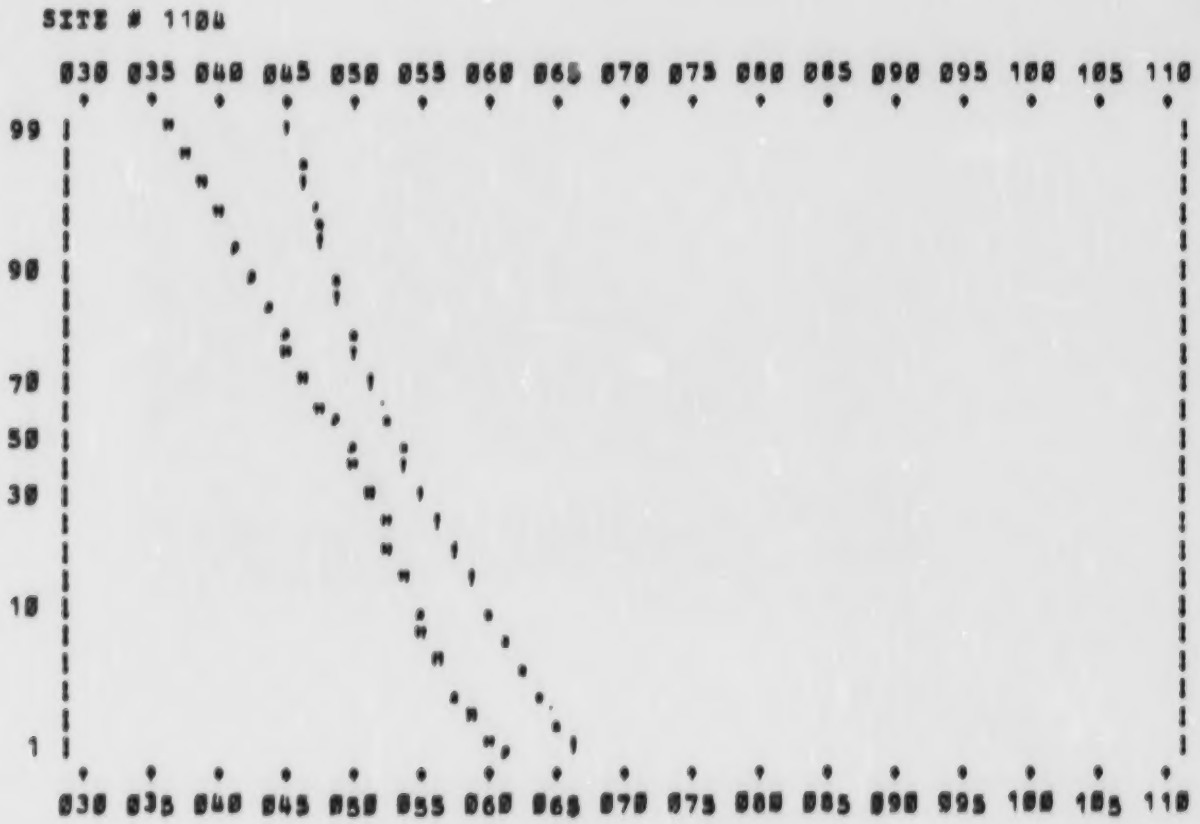
FIGURE B-43(a). DESCRIPTION OF DENVER SITE 1104

SITE # 1104

HR	MAX	MIN	MPL	SIG	LEQ	THI	L1	L3	L5	L10	L20
1	76.3	42.5	62.1	3.4	53.5	44.9	63.2	58.1	55.9	53.9	52.4
2	75.8	38.8	61.1	3.6	52.8	43.8	61.6	56.2	54.7	52.5	50.7
3	68.8	36.3	54.1	3.1	46.2	43.2	52.9	51.8	50.2	49.1	47.6
4	70.8	32.5	56.4	4.3	45.4	48.3	55.3	50.1	48.6	47.0	45.2
5	68.8	36.3	54.8	3.8	46.3	48.9	53.7	51.2	50.1	48.8	47.5
6	66.3	42.5	57.3	2.6	50.6	42.8	57.7	55.5	54.4	52.9	51.6
7	68.8	46.3	67.1	3.7	57.7	47.7	70.8	63.5	60.2	57.2	55.3
8	82.5	47.5	67.4	3.5	58.5	49.2	69.8	64.8	61.1	58.6	56.9
9	82.5	43.8	70.8	4.6	59.1	58.8	73.8	64.4	61.8	58.7	55.8
10	83.8	41.3	62.6	3.7	53.2	46.8	64.1	58.5	55.9	53.6	51.9
11	76.3	40.8	66.2	4.3	55.1	58.6	65.8	62.5	60.8	57.6	54.4
12	75.8	41.3	63.3	3.7	53.7	58.7	64.7	60.5	58.1	55.7	53.2
13	68.8	41.3	69.2	5.1	56.1	69.8	64.1	62.2	61.3	59.9	57.9
14	77.5	42.5	61.4	3.2	53.2	48.9	61.6	58.8	57.4	55.7	53.6
15	78.8	41.3	66.1	4.8	55.9	56.3	66.8	62.5	60.6	58.8	55.7
16	77.5	45.8	71.7	4.8	59.3	74.1	69.6	67.1	66.8	64.8	58.1
17	78.8	43.8	67.9	4.8	57.6	57.6	67.4	63.6	62.1	59.5	57.3
18	77.5	52.5	67.8	2.4	60.9	48.1	68.2	65.4	64.8	62.6	61.5
19	86.3	52.5	66.7	2.5	60.2	46.5	68.8	64.4	62.8	61.2	59.9
20	75.8	47.5	63.8	2.5	56.8	43.7	65.2	61.9	60.1	58.3	57.8
21	73.8	45.8	61.4	2.8	54.3	43.8	63.7	59.1	57.4	55.8	54.4
22	71.3	47.5	60.2	2.3	54.4	41.3	61.6	58.2	57.2	56.1	55.8
23	73.8	47.5	61.6	2.4	55.4	44.8	62.3	59.9	58.7	57.3	56.8
24	82.5	45.8	63.4	2.7	56.3	41.6	61.2	57.3	56.2	55.2	54.1

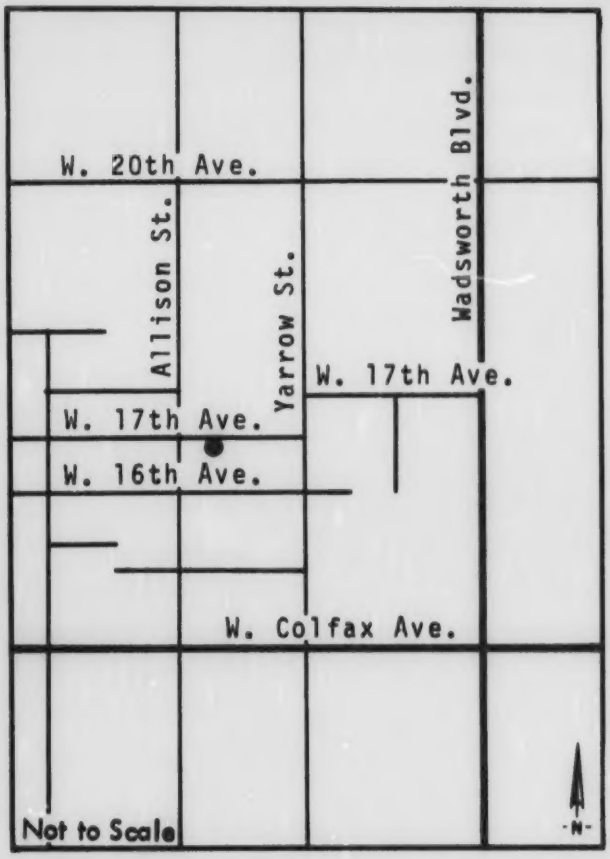
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	51.5	50.8	50.2	49.5	48.8	48.8	46.8	46.1	45.5	44.5
2	49.6	48.8	48.1	47.4	46.7	45.9	45.8	44.2	43.8	42.7
3	46.6	45.7	44.8	44.8	43.2	42.2	41.8	40.2	39.7	38.9
4	43.9	42.8	41.6	40.4	39.2	37.9	36.6	35.7	35.2	34.4
5	46.6	45.7	44.9	44.2	43.3	42.4	41.4	40.5	40.1	39.8
6	50.7	50.0	49.4	48.9	48.2	47.5	46.5	45.8	45.4	44.7
7	54.4	53.6	53.0	52.4	51.8	51.3	50.4	49.8	49.3	48.8
8	56.8	55.3	54.6	54.0	53.4	52.7	51.7	50.9	50.4	49.6
9	53.6	52.7	52.0	51.4	50.7	49.9	48.9	47.9	47.5	46.4
10	50.7	49.8	49.1	48.4	47.7	46.9	45.8	45.1	44.6	43.9
11	52.8	51.8	50.9	50.1	49.3	48.4	47.3	46.4	45.7	44.4
12	51.9	51.0	50.3	49.6	48.9	48.2	47.3	46.6	46.3	45.3
13	55.5	53.2	51.4	50.1	49.1	48.0	46.6	45.6	45.2	44.1
14	52.4	51.5	50.8	50.2	49.6	49.0	48.0	47.3	46.7	45.6
15	54.3	53.4	52.7	51.9	51.0	50.0	48.6	47.5	46.8	45.5
16	56.1	55.1	54.4	53.6	52.9	51.9	50.6	49.7	49.1	48.2
17	55.8	54.5	53.5	52.8	52.0	51.2	50.2	49.3	48.8	47.8
18	60.9	60.3	59.8	59.4	58.9	58.2	57.4	56.6	56.2	55.2
19	59.3	58.7	58.3	57.8	57.3	56.7	56.0	55.4	55.1	54.4
20	56.2	55.8	55.3	54.9	54.4	54.0	53.1	52.6	52.1	51.4
21	53.5	52.8	52.3	51.7	51.2	50.5	49.8	49.1	48.8	47.9
22	54.3	53.6	53.2	52.7	52.2	51.7	51.0	50.3	50.1	49.2
23	55.2	54.6	54.1	53.6	53.1	52.6	51.7	51.3	50.7	50.1
24	53.4	52.8	52.3	51.8	51.3	50.6	49.7	49.0	48.5	47.7

FIGURE B-43(b). HOURLY NOISE DATA FOR DENVER SITE 1104



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	66.3	62.5	0.	56.2
MIN	48.0	32.5	0.	59.3
MPL	69.0	66.0	10.	68.7
SIG	4.6	5.2	12.	62.2
LEQ	57.3	53.4		
TNI	64.0	63.1		
L1	67.0	61.6		
L3	63.4	57.6		
L5	61.8	56.3		
L10	59.9	54.8		
L20	57.5	53.2		
L30	55.8	52.0		
L40	54.5	50.8		
L50	53.3	49.4		
L60	52.3	48.0		
L70	51.2	46.5		
L80	50.1	44.6		
L90	48.5	42.1		
L95	47.4	40.1		
L97	46.6	38.7		
L99	45.3	36.4		

FIGURE B-43(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1104



L_{DN}:	57.3	dB
ρ:	4,100	people / sq.mi.

SITE: 1106

Address: 7944 17th St.
Lakewood, CO

Microphone Height: 1.5 m.

Distance to Curb: 6.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-44(a). DESCRIPTION OF DENVER SITE 1106

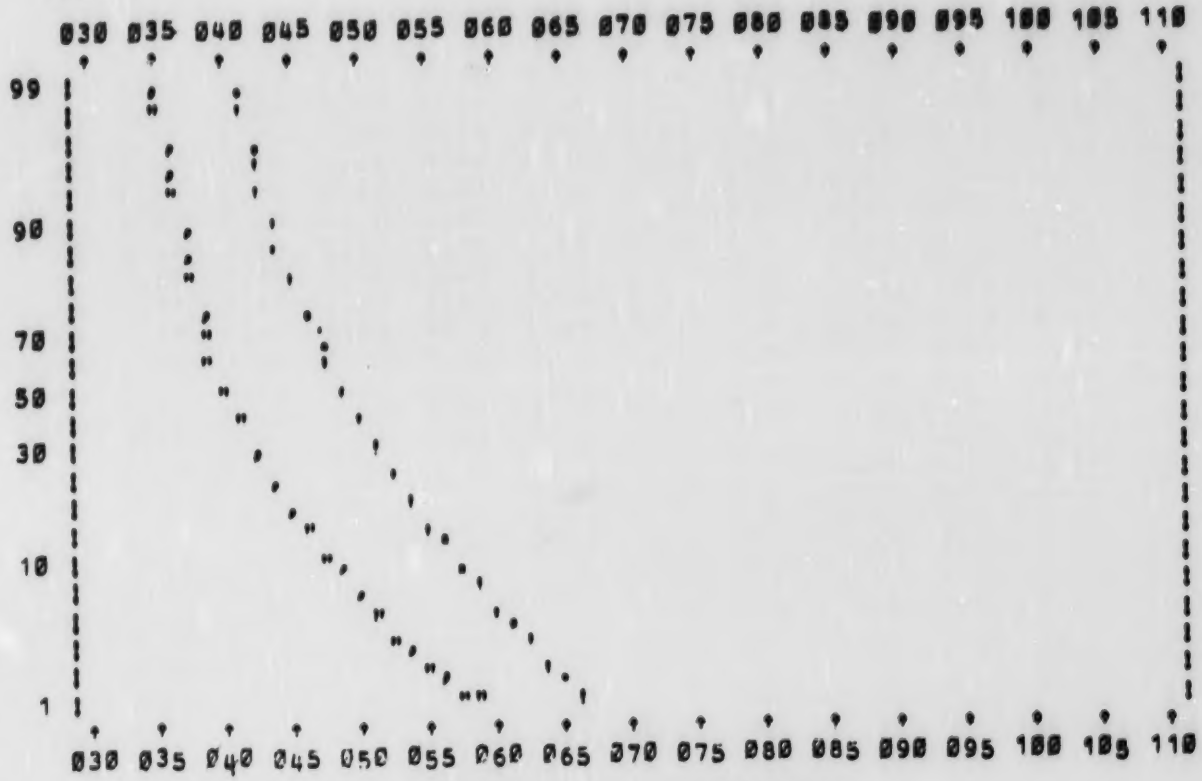
SITE # 1106

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	65.0	33.8	51.2	3.2	43.0	28.8	54.0	47.8	44.9	42.2	40.7
2	67.5	33.8	51.4	3.4	42.8	34.2	53.9	47.1	45.2	43.4	41.7
3	62.5	33.8	47.8	2.5	41.6	32.0	47.8	46.0	45.2	43.9	42.4
4	61.3	31.3	47.7	3.1	39.8	31.9	48.8	45.4	43.7	41.6	39.7
5	61.3	32.5	49.2	3.1	41.2	34.1	50.7	46.9	45.3	43.3	41.3
6	74.5	35.0	58.3	4.4	47.1	48.0	58.3	54.5	52.0	48.4	45.7
7	85.0	40.0	66.7	4.7	54.7	55.1	65.8	63.2	60.2	54.0	51.9
8	77.5	45.0	62.9	3.4	54.3	47.2	64.7	60.5	58.3	55.7	53.5
9	81.3	43.8	64.2	3.6	55.0	47.7	65.5	60.0	58.0	55.2	53.1
10	80.0	41.3	67.0	4.7	54.9	53.8	67.9	62.1	59.3	56.3	51.7
11	86.3	38.8	67.7	5.2	54.3	61.9	66.3	61.5	58.8	55.1	51.4
12	78.8	35.0	66.9	5.4	53.0	62.7	65.0	60.6	57.8	54.2	50.3
13	78.8	42.5	68.6	4.7	56.6	57.6	69.1	64.4	60.9	57.1	54.1
14	91.3	37.5	77.2	7.1	59.0	84.7	69.3	65.3	63.4	60.6	56.7
15	86.3	38.8	68.3	4.9	55.7	63.7	66.4	62.6	60.4	57.0	55.4
16	80.0	38.8	69.8	5.3	56.4	65.6	67.4	63.5	61.5	57.8	54.2
17	96.3	38.8	74.9	5.3	61.2	61.8	67.1	61.6	59.1	55.7	52.0
18	93.8	42.5	71.1	4.5	59.4	65.4	68.5	66.1	64.4	61.7	58.8
19	87.5	45.0	71.4	4.7	59.4	59.0	71.7	65.0	62.0	58.9	56.2
20	78.8	38.8	63.8	4.2	53.0	47.8	65.1	59.5	56.2	52.6	50.0
21	77.5	40.0	62.1	4.0	51.8	44.8	64.3	58.7	55.6	51.6	48.9
22	88.8	38.8	64.8	4.5	53.2	47.0	64.3	57.9	55.0	50.6	47.5
23	71.3	37.5	54.8	3.3	46.5	32.6	57.5	52.1	48.7	45.9	44.0
24	75.0	33.8	63.6	5.0	50.8	41.1	63.6	56.8	52.9	46.2	42.2

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	39.8	39.3	38.8	38.3	37.9	37.4	36.7	36.4	36.2	35.4
2	40.6	39.7	39.0	38.3	37.7	37.1	36.5	35.9	35.5	35.1
3	41.5	40.8	40.2	39.7	39.2	38.6	37.8	37.2	36.8	36.3
4	38.7	38.0	37.3	36.7	36.2	35.5	34.9	34.2	33.9	33.2
5	40.2	39.4	38.7	38.2	37.6	37.0	36.3	35.6	35.3	34.9
6	44.5	43.4	42.4	41.4	40.5	39.5	38.6	37.9	37.6	36.8
7	50.5	49.5	48.7	47.9	47.0	46.1	44.8	43.8	43.2	42.7
8	52.3	51.7	51.0	50.5	50.0	49.3	48.5	47.8	47.6	46.7
9	52.0	51.2	50.5	49.8	49.2	48.6	47.7	47.1	46.7	46.3
10	50.1	49.1	48.3	47.5	46.7	45.9	44.9	44.1	43.8	43.0
11	49.6	48.4	47.4	46.5	45.4	44.2	42.8	41.7	41.1	40.2
12	48.1	46.6	45.5	44.5	43.6	42.7	41.4	40.3	39.7	38.5
13	52.5	51.2	50.4	49.6	48.8	48.0	46.9	46.3	45.8	45.1
14	52.9	49.4	47.4	46.1	45.0	43.9	42.6	41.6	41.1	40.1
15	53.8	52.7	51.7	50.6	49.3	47.7	45.8	44.4	43.5	41.1
16	52.4	51.1	50.0	48.9	47.8	46.7	45.2	44.0	43.1	41.8
17	50.1	48.8	47.8	46.8	45.9	44.9	43.6	42.7	42.1	41.3
18	57.2	55.8	54.7	53.8	52.9	51.9	50.5	49.3	48.4	46.6
19	54.6	53.5	52.4	51.6	50.8	50.0	48.9	48.1	47.7	46.9
20	48.8	47.9	47.2	46.5	45.9	45.2	44.3	43.5	42.9	41.7
21	47.7	46.9	46.3	45.7	45.2	44.6	43.9	43.3	42.9	42.5
22	46.1	45.1	44.4	43.7	43.1	42.6	41.8	41.4	41.0	40.3
23	43.2	42.6	42.2	41.8	41.4	40.9	40.3	40.0	39.6	39.0
24	41.1	40.5	39.9	39.5	39.1	38.7	37.9	37.6	37.1	36.5

FIGURE B-44(b). HOURLY NOISE DATA FOR DENVER SITE 1106

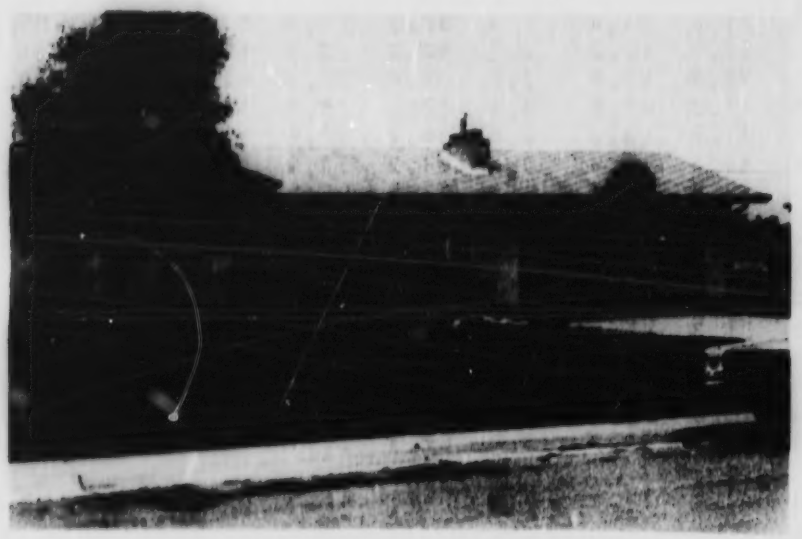
SITE # 1106



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	96.3	85.0	0.	55.0
MIN	35.0	31.3	8.	56.5
NPL	70.8	60.8	10.	57.3
SIG	5.5	4.9	12.	58.3
LEQ	56.7	48.1		
TNI	67.1	52.3		
L1	67.3	59.7		
L3	62.8	53.4		
L5	60.4	51.1		
L10	57.2	48.2		
L20	53.8	44.5		
L30	52.0	42.5		
L40	50.5	41.3		
L50	49.3	40.4		
L60	48.1	39.5		
L70	46.8	38.7		
L80	45.5	37.9		
L90	43.9	36.8		
L95	42.7	36.1		
L97	41.9	35.5		
L99	40.7	34.6		

FIGURE B-44(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1106



L_{DN}:	59.0	dB
ρ:	2,200	people / sq.mi.

SITE: 1107

Address: 9392 W. Kentucky Pl.
Lakewood, CO

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-45(a). DESCRIPTION OF DENVER SITE 1107

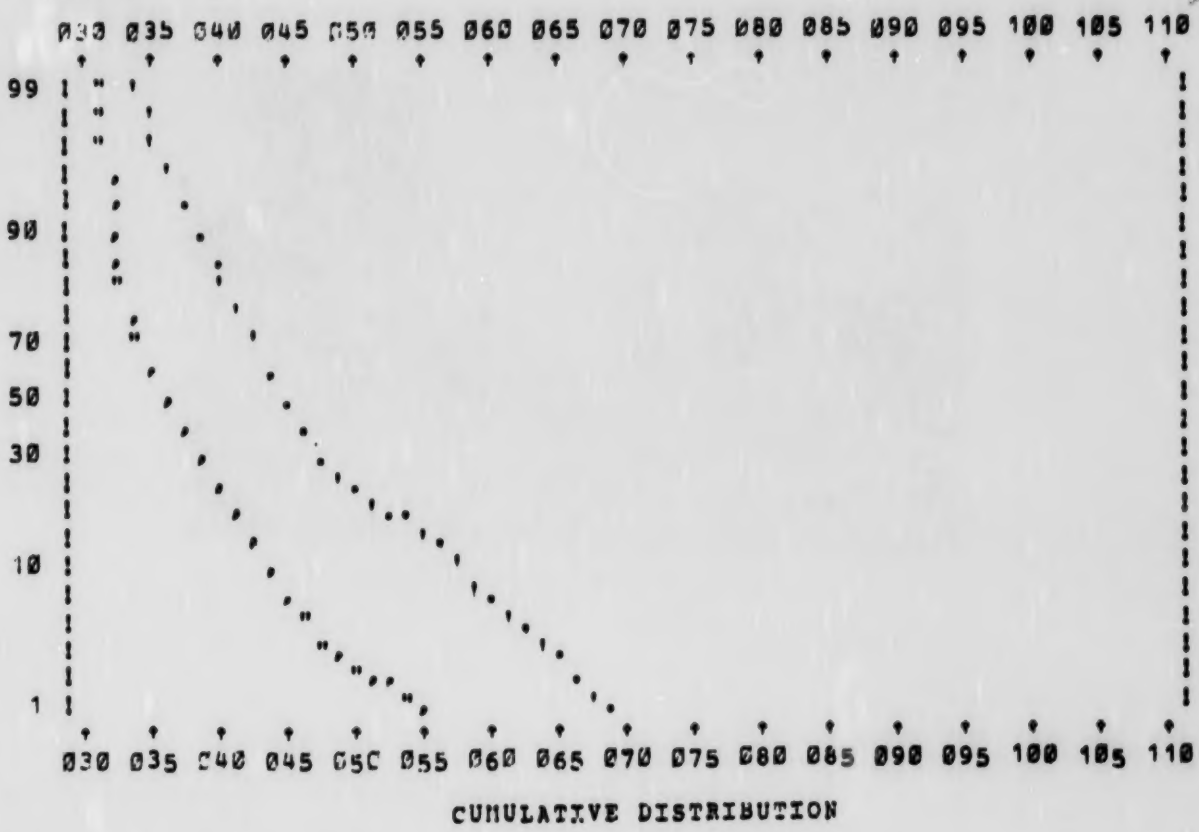
SITE # 1107

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	71.3	31.3	71.4	8.3	50.2	87.6	61.8	58.8	57.0	53.3	46.1
2	67.5	31.3	48.2	3.2	40.0	20.9	46.8	41.3	38.6	36.4	34.7
3	52.5	31.3	41.9	2.5	35.4	27.3	42.0	40.4	39.5	38.1	36.5
4	52.5	31.3	46.9	3.0	39.2	35.1	46.3	44.2	43.3	42.0	40.6
5	52.5	31.3	43.3	2.8	36.2	30.4	43.2	41.3	40.4	39.1	37.4
6	78.8	31.3	49.9	3.4	41.2	31.9	48.5	42.4	41.1	39.6	37.9
7	71.3	32.5	59.0	4.5	47.4	49.5	58.4	53.1	50.7	48.1	45.9
8	88.8	38.8	78.1	7.2	59.7	79.0	72.6	67.7	63.7	59.0	52.7
9	72.5	31.3	60.2	4.8	47.8	46.3	61.2	53.6	50.1	46.5	43.1
10	76.3	31.3	62.6	5.6	48.3	48.3	61.9	55.1	51.3	45.3	41.2
11	90.0	31.3	88.7	10.4	62.1	115.1	73.5	71.5	69.6	62.9	52.6
12	102.5	31.3	85.4	8.8	63.0	104.7	69.9	66.9	65.1	62.7	53.9
13	83.8	37.5	83.3	8.3	59.6	104.2	70.2	68.0	66.6	64.6	61.6
14	82.5	38.8	72.2	6.1	56.5	77.1	64.7	62.4	61.3	59.9	58.3
15	83.8	40.0	71.2	5.4	57.4	59.9	70.2	63.8	60.1	55.7	51.0
16	107.5	40.0	75.9	3.4	67.3	37.7	58.8	54.0	51.7	49.1	47.4
17											
18	96.3	37.5	73.9	5.6	59.6	66.2	66.9	61.7	59.7	56.0	51.9
19											
20	92.5	33.8	78.0	7.6	58.6	78.4	69.9	63.3	60.5	55.7	52.8
21	95.0	35.0	77.9	7.2	59.4	77.5	68.9	62.7	59.8	56.7	54.4
22	85.0	36.3	64.7	4.4	53.5	35.7	62.5	56.4	52.1	46.5	44.5
23											
24	75.0	31.3	65.5	5.9	50.4	34.1	63.6	54.3	47.3	39.8	36.9

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	41.5	38.2	35.9	34.3	33.2	32.4	31.8	31.5	31.4	31.3
2	33.7	33.2	32.8	32.4	32.1	31.8	31.5	31.4	31.3	31.3
3	35.4	34.6	33.8	33.2	32.6	32.2	31.7	31.5	31.4	31.3
4	39.5	38.6	37.8	37.0	36.2	35.4	34.3	33.6	33.1	32.5
5	36.1	35.3	34.5	33.9	33.3	32.7	32.0	31.6	31.5	31.3
6	36.8	35.9	35.1	34.4	33.6	32.9	32.1	31.7	31.5	31.3
7	44.6	43.6	42.6	41.5	40.4	39.2	37.7	36.5	35.9	35.0
8	48.4	46.6	45.6	44.9	44.2	43.4	42.3	41.5	41.1	40.2
9	41.5	40.6	39.8	39.1	38.4	37.7	36.5	35.6	35.1	34.1
10	39.3	38.1	37.3	36.6	35.9	35.2	34.3	33.8	33.2	32.6
11	47.3	44.3	42.1	40.2	38.5	37.1	35.5	34.5	34.0	33.2
12	48.7	46.1	44.5	43.0	41.7	40.4	38.7	37.3	36.2	34.8
13	52.9	46.6	44.8	43.7	43.0	42.2	41.4	40.6	40.3	39.8
14	56.9	55.3	53.7	51.5	47.9	45.8	44.1	43.2	42.7	41.8
15	49.2	48.0	47.1	46.4	45.8	45.2	44.3	43.8	43.2	42.6
16	46.6	46.0	45.5	44.9	44.4	43.8	42.9	42.3	41.8	41.3
17										
18	49.8	48.4	47.2	46.2	45.1	43.9	42.7	41.8	41.5	40.7
19										
20	48.3	45.5	43.6	42.1	40.8	39.6	38.1	37.2	36.6	35.6
21	50.0	46.6	44.7	43.3	42.0	40.9	39.7	39.0	38.5	37.6
22	43.6	43.0	42.4	42.0	41.5	40.9	40.1	39.3	38.9	38.0
23										
24	35.4	34.5	33.7	33.2	32.6	32.2	31.7	31.5	31.4	31.3

FIGURE B-45(b). HOURLY NOISE DATA FOR DENVER SITE 1107

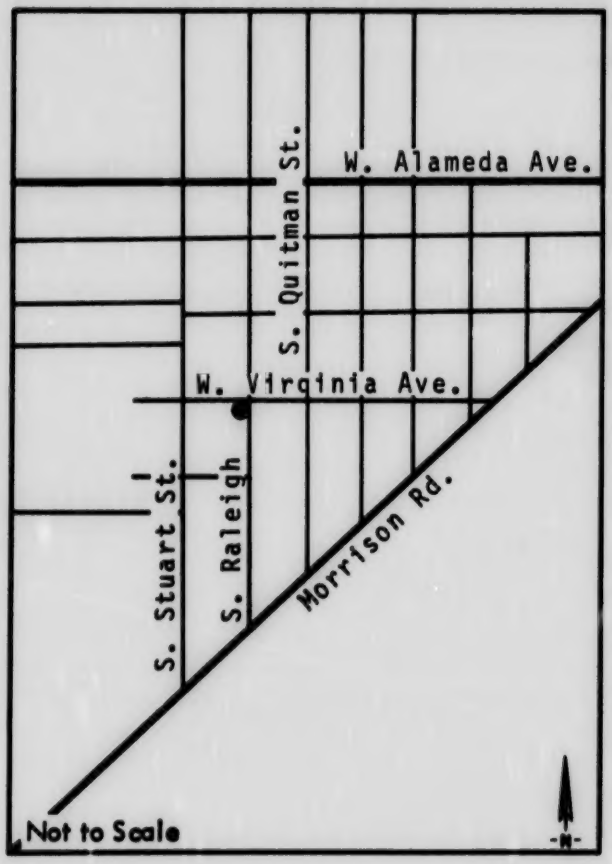
SITE # 1107



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	107.5	78.8	0.	58.4
MIN	31.3	31.3	8.	56.8
NPL	79.6	58.0	10.	59.0
SIG	7.5	5.1	12.	59.4
LEQ	69.4	45.0		
TNI	85.3	48.5		
L1	68.8	55.4		
L3	64.3	48.6		
L5	61.9	46.3		
L10	57.6	43.6		
L20	51.8	40.5		
L30	47.9	38.6		
L40	46.1	37.1		
L50	44.8	35.8		
L60	43.5	34.7		
L70	42.2	33.7		
L80	40.7	32.8		
L90	38.4	32.0		
L95	36.6	31.6		
L97	35.7	31.5		
L99	34.3	31.3		

FIGURE B-45(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1107



L_{DN}:	59.3 dB
ρ:	8,900 people/sq.mi.

SITE: 1109
Address: 509 Raleigh
Denver, CO
Microphone Height: 1.5 m.
Distance to Curb: 6.1 m.

ROADWAY TYPE
At Site: Local
Vicinity: Local

TRAFFIC
At Site: Cars
Vicinity: Cars, Motorcycles

OTHER NOISE SOURCES:

FIGURE B-46(a). DESCRIPTION OF DENVER SITE 1109

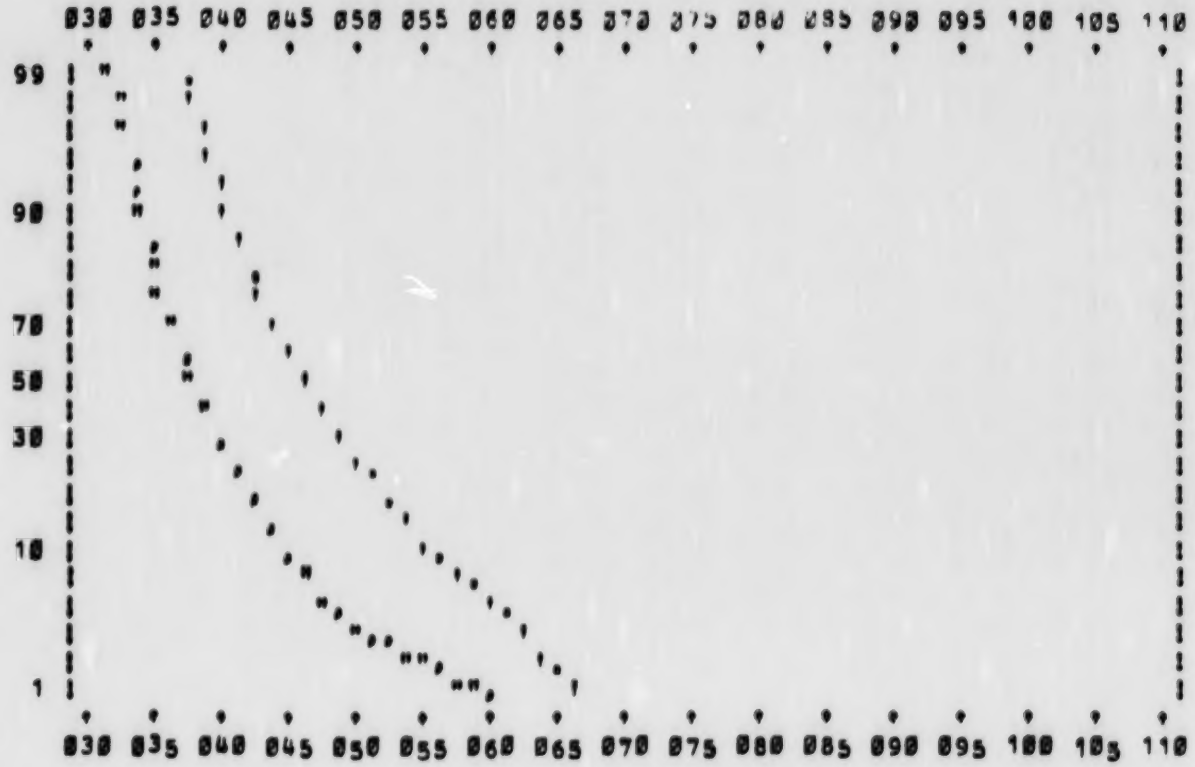
SITE # 1109

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	68.8	31.3	51.5	3.4	42.8	29.9	53.9	45.4	43.3	41.4	39.9
2	76.3	30.0	55.6	4.2	44.9	35.4	56.0	46.8	44.4	41.5	38.8
3	66.3	31.3	54.6	4.6	42.9	49.7	53.1	49.3	47.7	45.9	43.5
4	63.8	31.3	48.2	3.2	39.9	37.1	47.7	45.5	44.4	42.7	40.8
5	62.5	30.0	43.5	2.6	36.9	22.0	45.3	40.8	39.2	37.5	36.2
6	70.0	30.0	46.7	2.9	39.1	38.1	46.9	43.5	42.0	40.1	38.8
7	71.3	32.5	62.6	5.8	49.9	58.8	63.1	56.4	52.7	48.6	46.1
8	76.3	36.3	70.5	6.5	53.8	73.7	66.1	62.0	59.6	56.1	51.9
9	77.5	32.5	71.8	7.1	53.7	75.5	66.5	62.8	59.3	54.6	50.0
10	78.8	32.5	71.3	6.8	54.7	65.1	67.7	59.9	56.6	51.9	47.5
11	80.0	36.3	66.8	5.4	52.9	57.2	65.8	60.1	56.5	52.0	48.2
12	80.0	36.3	69.9	5.9	54.7	66.7	67.1	62.1	59.2	55.0	50.8
13	81.3	33.8	69.5	6.0	54.2	68.0	66.8	61.9	59.4	55.0	50.5
14	78.8	35.0	69.7	5.8	54.7	67.6	67.8	62.2	59.7	55.9	51.9
15	80.0	41.3	71.3	5.6	57.0	70.0	69.0	65.0	62.9	59.3	55.3
16	80.0	42.5	66.0	4.4	54.6	57.1	65.9	62.4	60.1	56.6	53.3
17	78.8	40.0	70.2	5.5	56.2	69.5	68.2	64.3	62.2	58.7	54.9
18	82.5	38.8	71.4	5.7	56.7	67.1	68.7	63.9	61.3	57.1	53.0
19	92.5	38.8	75.5	5.9	60.5	67.5	69.7	64.6	62.0	57.4	53.4
20	91.3	37.5	74.4	5.9	59.3	66.9	68.8	63.3	60.2	56.3	52.6
21	80.0	37.5	69.5	5.9	54.4	66.4	66.6	62.3	59.2	54.9	50.2
22	83.8	37.5	67.9	5.3	54.5	55.3	64.8	59.4	56.1	51.8	47.5
23	81.3	32.5	66.7	5.6	52.3	54.8	63.3	55.9	52.8	48.5	43.8
24	87.5	32.5	80.5	7.9	60.3	56.9	74.8	68.7	62.5	49.1	42.5

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	39.0	38.4	37.8	37.2	36.7	36.0	35.2	34.6	34.2	33.8
2	37.5	36.7	36.0	35.4	34.8	34.3	33.6	32.9	32.6	31.9
3	41.6	39.7	38.3	37.3	36.4	35.6	34.6	33.9	33.4	32.7
4	39.6	38.7	37.9	37.2	36.4	35.6	34.6	34.0	33.6	32.7
5	35.6	35.0	34.5	34.1	33.7	33.2	32.6	32.1	31.7	31.4
6	38.2	37.6	37.1	36.6	35.9	35.1	33.4	32.4	31.9	31.3
7	44.8	43.8	43.0	42.1	41.3	40.1	38.2	36.8	36.0	34.8
8	48.4	45.4	43.7	42.8	42.0	41.2	40.2	39.5	39.1	38.3
9	47.0	44.5	42.6	41.2	39.9	38.8	37.6	36.7	36.3	35.4
10	45.0	43.2	41.8	40.7	39.7	38.8	37.6	36.7	36.3	35.4
11	46.1	44.8	43.7	42.9	42.1	41.3	40.3	39.5	39.1	38.2
12	48.3	46.6	45.3	44.2	43.2	42.2	41.1	40.3	39.9	39.0
13	48.1	46.4	45.2	44.1	43.1	42.0	40.7	39.7	39.1	38.0
14	49.5	47.7	46.3	45.2	44.2	43.2	42.0	41.2	40.5	39.3
15	52.7	50.9	49.7	48.6	47.7	46.8	45.8	45.0	44.4	43.6
16	51.4	50.2	49.3	48.5	47.9	47.2	46.4	45.7	45.4	45.0
17	52.8	51.1	49.8	48.5	47.4	46.3	45.1	44.3	43.9	43.0
18	50.7	49.0	47.7	46.7	45.8	44.9	43.8	42.9	42.5	41.5
19	51.2	49.7	48.5	47.6	46.6	45.4	44.0	43.0	42.6	41.6
20	50.5	48.7	47.4	46.2	45.1	44.0	42.8	41.8	41.4	40.4
21	47.8	46.1	45.0	43.9	43.0	42.0	41.0	40.3	40.0	39.1
22	45.5	44.3	43.5	42.8	42.1	41.5	40.7	40.2	39.8	39.0
23	41.7	40.5	39.6	38.9	38.2	37.5	36.4	35.5	35.1	34.3
24	41.2	40.4	39.6	38.9	38.2	37.5	36.4	35.6	35.2	34.4

FIGURE B-46(b). HOURLY NOISE DATA FOR DENVER SITE 1109

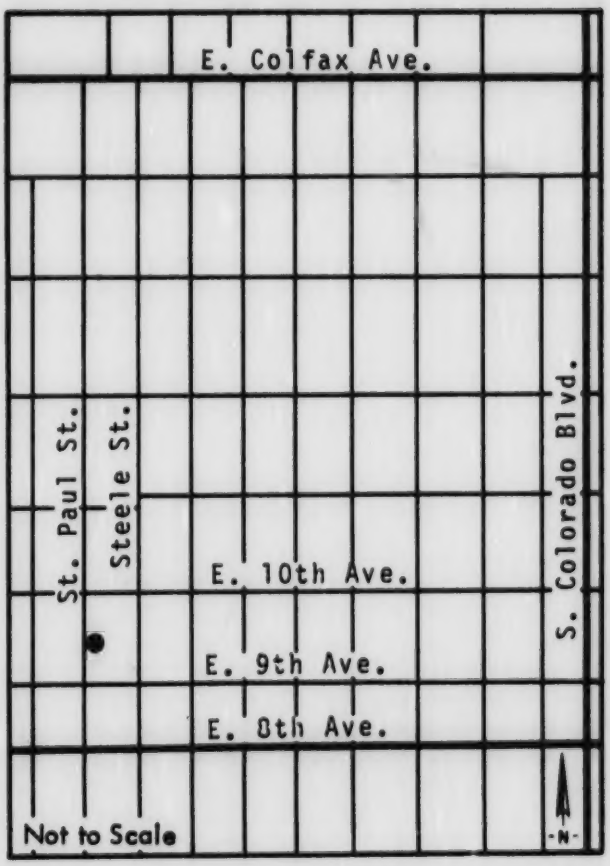
SITE # 1109



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ".".	WEIGHTING	WEIGHTED LEQ
MAX	92.5	87.5	0.	54.9
MIN	32.5	30.0	0.	57.9
MPL	72.2	65.5	10.	59.3
SIG	6.3	5.3	12.	60.7
LEQ	56.8	52.0		
TNI	71.6	46.8		
L1	67.3	61.0		
L3	62.8	51.2		
L5	60.0	48.0		
L10	55.9	44.8		
L20	51.9	42.0		
L30	49.6	40.2		
L40	47.9	39.0		
L50	46.4	38.0		
L60	45.1	37.1		
L70	43.7	36.3		
L80	42.3	35.3		
L90	40.7	34.1		
L95	39.5	33.3		
L97	38.7	32.8		
L99	37.1	31.9		

FIGURE B-46(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1109



L_{DN}: 56.6 dB

ρ: 14,200 people/sq.mi.

SITE: 1110

Address: 944 St. Paul
Denver, CO

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

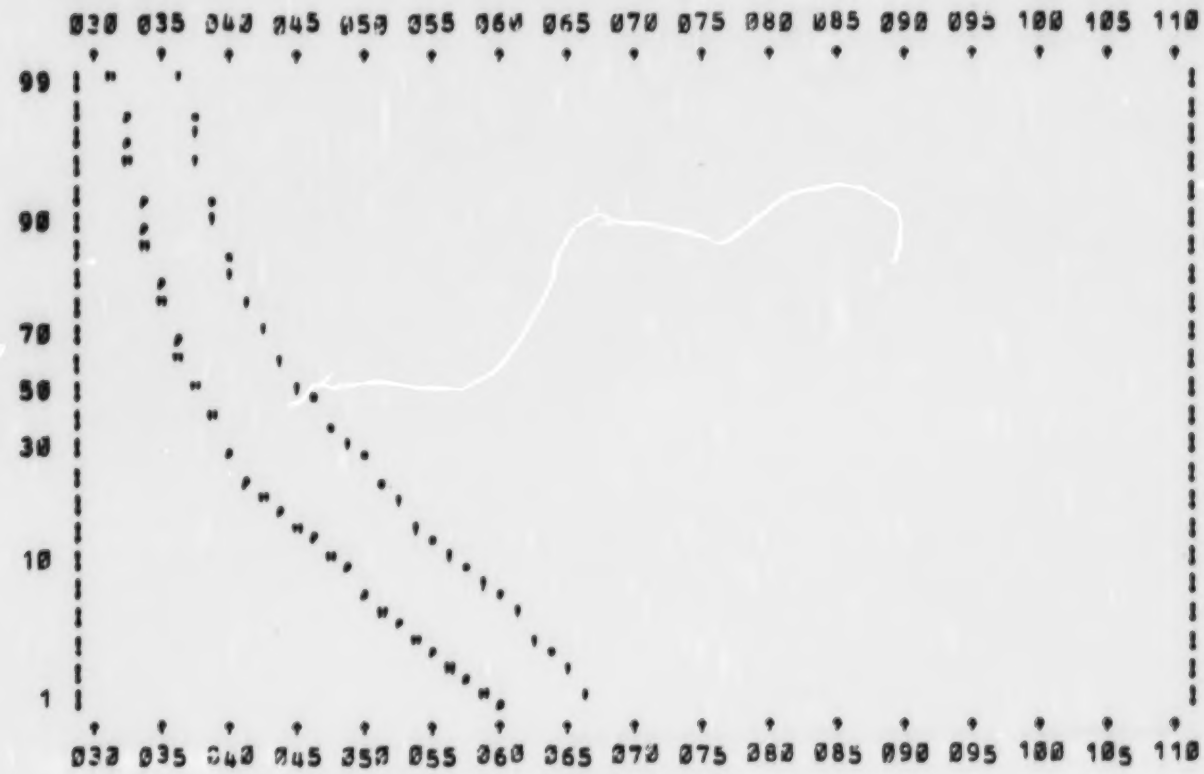
FIGURE B-47(a). DESCRIPTION OF DENVER SITE 1110

SITE # 1112

NR	MAX	MIN	NFL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	68.8	31.3	59.8	4.9	47.3	39.4	62.0	54.4	50.3	44.4	40.5
2	70.8	30.0	53.9	4.2	43.1	39.3	53.4	48.6	46.2	42.8	39.3
3											
4	70.0	31.3	48.9	3.1	40.9	38.1	47.0	43.6	42.4	40.4	38.8
5	46.3	30.0	38.2	1.6	34.0	17.9	38.8	37.2	36.5	35.7	34.8
6	67.5	30.0	66.0	7.3	47.2	78.5	57.6	55.5	54.2	51.0	47.9
7	73.8	33.8	67.5	6.0	52.2	68.0	64.0	60.5	58.1	54.2	50.9
8	72.5	36.3	65.6	5.6	51.2	64.0	63.4	59.7	57.4	53.3	49.2
9	73.8	33.8	70.9	6.8	53.5	80.3	64.9	62.1	60.4	57.0	52.4
10	77.5	33.8	73.6	7.1	55.4	81.2	68.2	63.6	61.3	57.2	52.7
11	80.0	31.3	70.8	7.0	53.0	75.1	65.7	61.4	58.5	54.2	50.1
12	73.8	31.3	70.7	6.8	53.3	71.9	66.8	62.6	59.4	53.8	49.8
13											
14	81.3	32.5	77.0	7.5	58.0	85.2	71.5	66.7	63.5	58.9	52.9
15	80.0	33.8	71.5	6.5	54.9	71.5	67.1	62.7	59.8	55.1	50.5
16	73.8	32.5	67.9	6.2	52.0	68.8	64.6	60.2	57.7	53.5	50.1
17	82.5	36.3	73.4	6.4	57.1	78.0	68.7	65.5	63.5	59.4	54.2
18	72.5	35.0	71.5	6.3	55.4	78.5	66.8	64.2	62.3	59.1	54.6
19	75.0	35.0	72.2	6.9	54.6	82.4	66.5	63.4	61.5	57.6	52.3
20	87.5	35.0	69.4	6.0	54.1	66.6	65.3	60.7	57.8	54.1	51.2
21	98.8	36.3	81.3	7.4	62.3	90.9	71.8	67.3	66.0	62.4	58.2
22	78.8	35.0	71.3	6.9	53.6	74.7	66.5	62.8	60.0	55.0	49.8
23	76.3	32.5	64.4	5.3	50.8	45.7	64.6	58.2	53.3	47.2	43.4
24	70.0	32.5	53.0	3.6	43.8	31.1	54.0	48.3	45.4	42.2	39.9

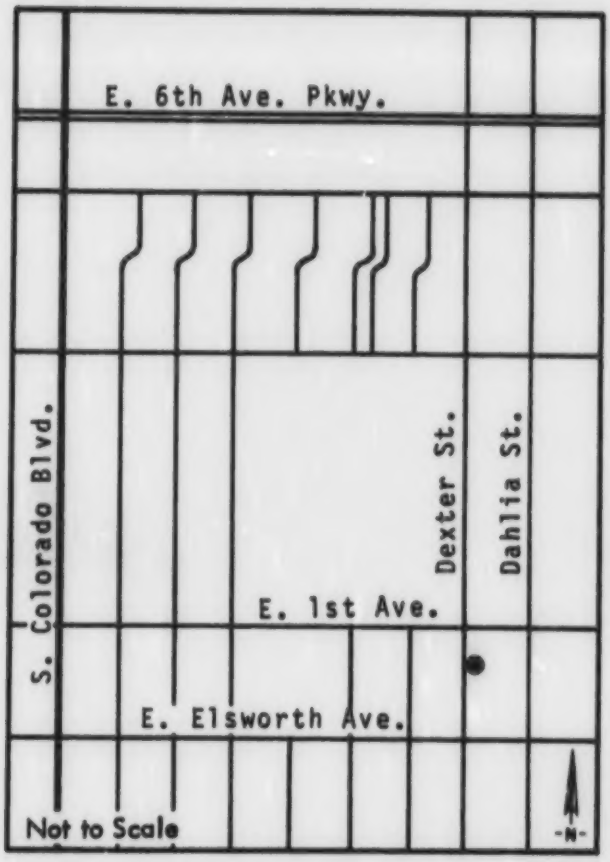
NR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	39.4	38.7	38.2	37.8	37.3	36.7	36.0	35.3	35.0	34.1
2	37.7	36.9	36.2	35.6	35.0	34.5	33.9	33.3	33.0	32.6
3										
4	37.9	37.1	36.5	35.8	35.1	34.5	33.9	33.2	32.9	32.6
5	34.3	33.9	33.5	33.1	32.8	32.3	31.7	31.3	31.0	30.3
6	43.7	39.4	36.8	35.3	34.5	33.8	33.1	32.7	32.5	31.7
7	48.7	46.9	45.3	43.8	42.4	41.0	39.6	38.6	37.9	36.8
8	46.8	45.0	43.7	42.6	41.7	40.8	39.7	39.0	38.5	37.7
9	49.5	47.2	45.4	43.6	42.0	40.6	39.2	38.3	37.8	37.0
10	49.9	47.5	45.5	43.8	42.3	40.9	39.3	38.2	37.6	36.6
11	47.5	45.1	43.1	41.3	39.9	38.6	37.2	36.2	35.5	34.5
12	46.4	44.5	42.9	41.5	40.3	39.1	37.8	36.8	36.3	35.2
13										
14	50.2	48.7	46.9	45.1	43.4	41.8	40.1	39.0	38.2	37.0
15	47.9	46.0	44.5	43.2	42.0	40.9	39.7	38.8	38.2	37.2
16	48.0	46.2	44.6	43.2	41.8	40.2	38.4	37.1	36.4	35.3
17	51.6	49.8	48.3	47.0	45.9	44.7	43.2	42.1	41.5	40.3
18	52.0	50.0	48.6	47.2	45.9	44.5	42.7	41.3	40.4	38.9
19	49.8	48.0	46.5	44.9	43.1	41.3	39.4	38.3	37.7	36.8
20	49.2	47.4	45.7	44.1	42.7	41.4	40.0	39.0	38.5	37.7
21	56.1	54.0	52.2	50.1	47.9	45.6	42.9	41.3	40.4	38.9
22	45.3	43.2	41.9	40.9	40.2	39.4	38.4	37.7	37.2	36.4
23	41.8	40.9	40.3	39.8	39.3	38.8	37.7	36.9	36.4	35.3
24	39.0	38.4	38.0	37.5	37.0	36.6	35.9	35.3	35.1	34.3

FIGURE B-47(b). HOURLY NOISE DATA FOR DENVER SITE 1110



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	98.8	76.3	0.	54.3
MIN	31.3	30.0	8.	55.8
MPL	74.3	62.7	10.	56.6
SIG	7.0	5.9	12.	57.6
LEQ	56.0	47.5		
TNI	82.5	60.2		
L1	67.4	60.2		
L3	63.6	54.4		
L5	61.2	51.9		
L10	57.1	47.7		
L20	52.3	42.7		
L30	49.6	40.3		
L40	47.6	38.9		
L50	45.7	37.9		
L60	44.0	36.9		
L70	42.4	35.8		
L80	40.9	34.7		
L90	39.3	33.5		
L95	38.1	32.8		
L97	37.6	32.4		
L99	36.3	31.5		

FIGURE B-47(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1110



L_{DN}: 61.3 dB

ρ: 4,800 people/sq.mi.

SITE: 1112

Address: 60 Dexter
Denver, CO

Microphone Height: 1.5 m.

Distance to Curb: 10.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

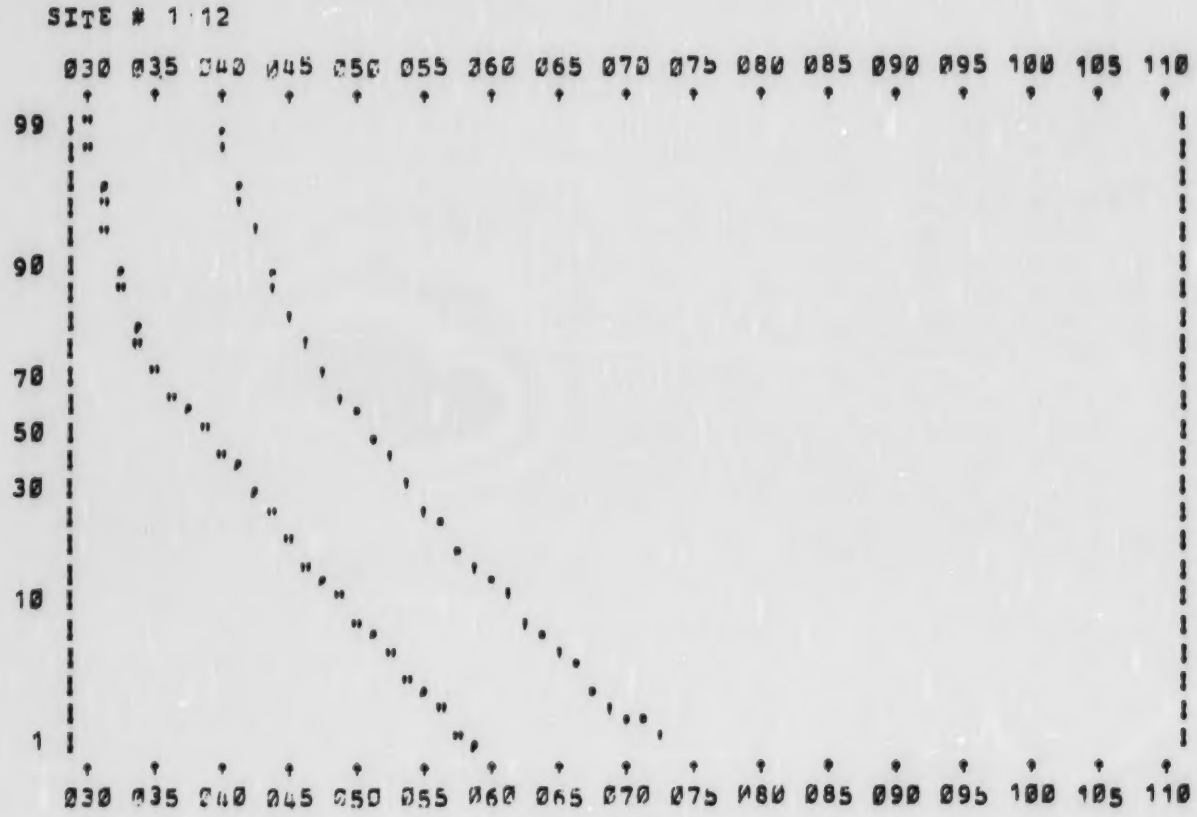
FIGURE B-48(a). DESCRIPTION OF DENVER SITE 1112

SITE # 1112

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	67.5	32.5	54.6	5.0	46.8	58.8	57.8	55.1	53.2	49.6	45.6
2	68.8	33.0	57.4	4.8	45.3	46.8	58.2	51.7	48.6	44.8	41.1
3	67.5	30.0	51.2	3.8	41.4	34.4	52.2	46.6	43.7	41.0	38.9
4	63.8	33.0	49.1	3.8	39.5	28.7	51.0	44.6	40.8	38.2	36.1
5	57.5	32.0	46.0	3.6	36.9	26.0	49.2	43.9	40.7	36.9	34.7
6	71.3	33.0	55.2	4.7	43.1	43.8	52.8	47.8	45.4	42.2	39.2
7	76.3	31.3	70.2	6.9	52.6	74.6	66.1	60.1	57.4	53.5	49.3
8	80.0	37.5	71.0	5.9	55.9	73.2	66.9	62.4	60.7	58.3	55.6
9	80.0	36.3	73.5	6.5	56.8	77.1	68.7	64.3	62.0	58.4	55.1
10	85.0	37.5	85.5	8.7	63.3	106.3	75.9	71.8	69.8	66.6	62.1
11	88.8	41.3	80.1	6.0	64.9	77.0	77.9	70.7	67.7	64.6	61.3
12	96.3	36.3	91.9	8.7	69.6	97.1	83.6	76.1	72.0	65.6	60.9
13	80.0	35.0	71.7	6.3	55.5	76.3	66.9	63.2	60.9	57.7	54.6
14	77.5	35.0	72.0	6.0	56.6	75.2	67.9	65.0	63.0	59.0	55.4
15	85.0	37.5	82.3	7.8	62.3	91.3	75.7	71.5	67.9	62.5	56.4
16	82.5	41.3	65.4	4.3	54.4	56.1	64.2	60.7	58.4	55.5	53.3
17	91.3	40.0	76.5	6.1	61.0	74.6	71.4	66.3	63.7	60.4	57.1
18											
19	96.3	37.5	79..	6.5	62.6	76.8	67.7	63.4	61.2	57.9	54.1
20	78.8	37.5	69.4	5.7	54.7	67.5	66.6	60.9	58.6	55.7	52.7
21	92.5	38.8	79.5	6.9	61.8	89.1	71.0	67.1	65.6	63.6	60.2
22	85.0	40.0	75.7	6.0	60.2	66.8	73.3	66.6	62.7	57.7	54.0
23	77.5	40.0	62.2	4.3	51.1	53.5	61.6	57.5	55.6	53.0	50.4
24	80.0	37.5	61.4	4.5	49.7	54.8	59.5	55.9	54.2	51.7	48.2

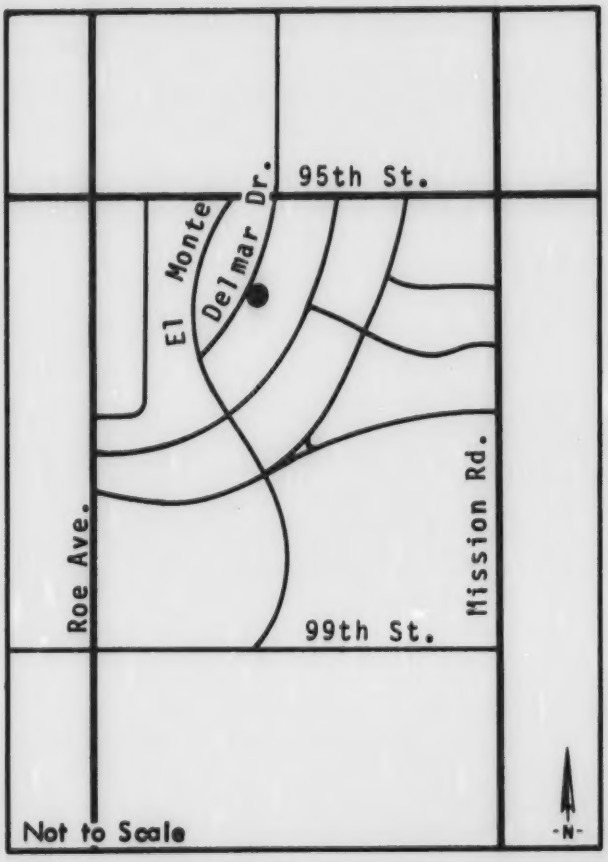
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	43.5	42.4	41.6	40.9	40.2	39.3	36.5	35.1	34.5	33.9
2	39.6	38.6	38.0	37.3	36.6	35.5	34.1	33.2	32.7	31.8
3	37.7	36.9	36.1	35.5	34.8	34.1	33.2	32.7	32.2	31.4
4	34.9	34.1	33.5	33.0	32.6	32.0	31.4	30.8	30.5	30.2
5	33.6	32.9	32.3	31.9	31.4	31.0	30.5	30.2	30.1	30.0
6	37.4	36.3	35.3	34.4	33.5	32.6	31.6	31.0	30.6	30.2
7	46.4	44.1	42.4	41.1	39.8	38.3	36.5	35.5	35.1	34.1
8	53.8	52.3	50.7	49.0	47.1	45.4	43.3	41.8	41.0	40.0
9	53.3	51.7	50.0	48.2	46.2	44.1	42.1	40.7	40.0	38.9
10	57.0	54.1	52.3	49.9	47.9	45.9	43.4	42.0	41.3	40.2
11	59.5	58.0	56.7	55.5	54.1	52.5	50.5	49.0	48.1	46.6
12	57.9	55.4	53.2	51.4	49.6	47.7	45.1	43.3	42.5	40.9
13	52.4	50.8	49.3	47.6	45.8	43.8	41.6	40.0	39.2	37.9
14	53.9	52.7	51.3	49.5	47.7	45.8	43.6	42.4	41.7	40.4
15	53.6	51.6	49.7	48.1	46.7	45.1	43.0	41.5	40.8	40.0
16	51.9	50.8	49.8	48.8	47.7	46.5	45.3	44.5	44.0	43.3
17	55.2	53.6	52.2	50.8	49.3	47.5	45.7	44.4	43.7	42.5
18										
19	52.2	50.2	48.5	46.9	45.2	43.5	41.7	40.6	40.1	39.2
20	50.8	49.2	47.6	46.1	44.6	43.1	41.7	40.8	40.3	39.4
21	57.3	55.2	53.4	51.7	49.7	47.5	45.1	43.8	43.0	41.9
22	51.9	50.3	49.0	48.1	47.1	46.0	44.7	43.8	43.1	42.3
23	48.4	47.2	46.2	45.3	44.5	43.6	42.7	42.1	41.7	41.4
24	45.9	44.6	43.7	42.9	42.2	41.5	40.6	40.1	39.7	39.0

FIGURE B-48(b). HOURLY NOISE DATA FOR DENVER SITE 1112



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	96.3	80.0	0.	60.6
MIN	35.9	30.0	8.	61.1
MPL	81.0	64.7	10.	61.3
SIG	7.2	6.6	12.	61.7
LEQ	62.6	47.7		
TNI	85.3	68.7		
L1	73.5	59.0		
L3	67.7	54.6		
L5	65.1	52.3		
L10	61.3	48.8		
L20	57.1	45.		
L30	54.6	42.8		
L40	52.7	40.9		
L50	51.[illegible]	38.9		
L60	49.3	36.9		
L70	47.5	35.2		
L80	45.6	33.7		
L90	43.4	32.2		
L95	41.9	31.3		
L97	41.4	30.8		
L99	39.7	30.3		

FIGURE B-48(c). DAY/NIGHT NOISE DATA FOR DENVER SITE 1112



L_{DN}:	60.1	dB
ρ:	2,400	people / sq.mi.

SITE: 1301

Address: 9607 Delmar
Overland Park, KS

Microphone Height: 1.5 m.

Distance to Curb: 11.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

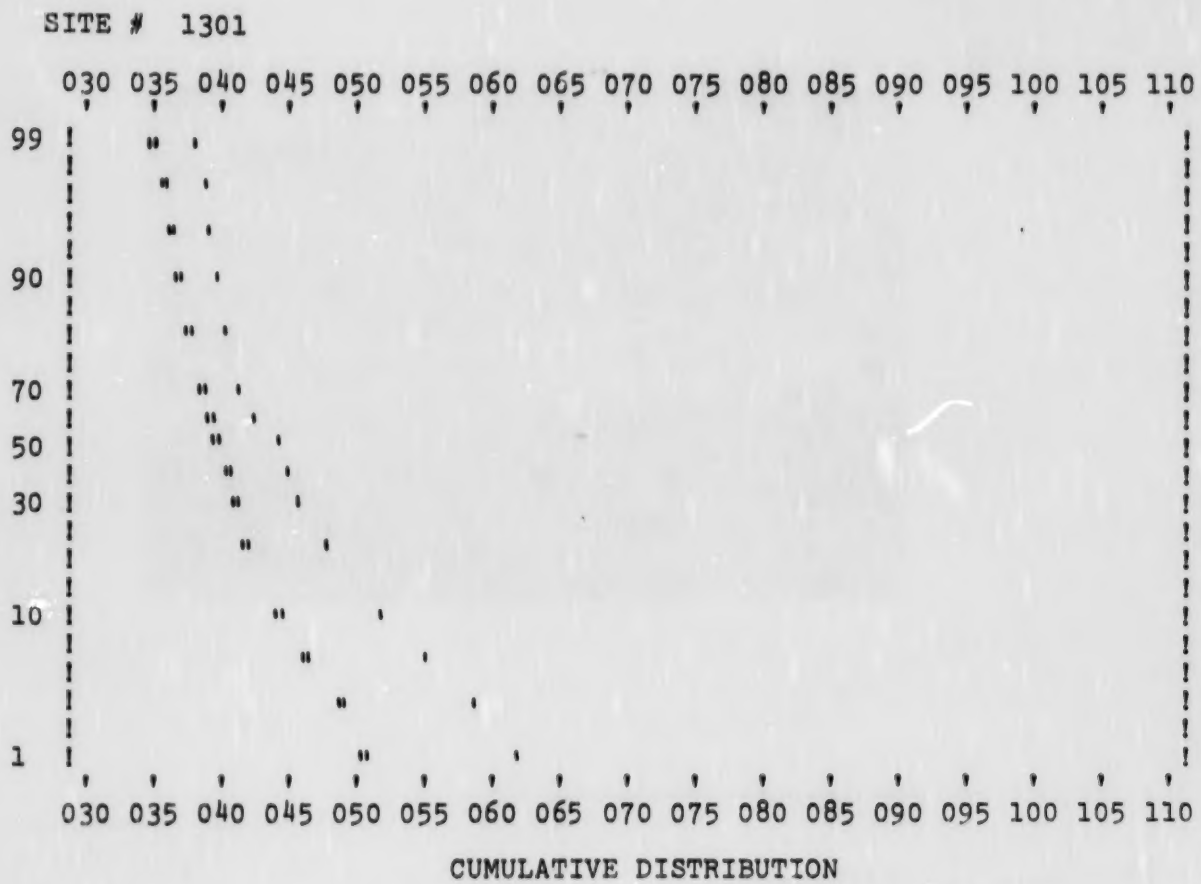
FIGURE B-49(a). DESCRIPTION OF KANSAS CITY SITE 1301

SITE # 1301

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	63.0	37.0	47.7	1.9	42.7	24.8	46.5	44.8	44.0	42.9	42.2
2	54.0	35.0	43.3	1.6	39.1	20.5	44.0	41.5	40.8	39.9	39.2
3	47.0	34.0	42.1	1.5	38.2	17.6	43.9	41.0	40.0	38.9	38.1
4	54.0	35.0	43.5	1.8	39.0	21.5	44.5	41.5	40.9	39.9	38.9
5	64.0	35.0	46.0	2.0	40.9	21.2	43.5	41.5	40.8	40.1	39.2
6	61.0	36.0	48.9	2.5	42.5	31.2	50.0	46.0	45.0	43.8	42.5
7	66.0	38.0	54.4	3.1	46.5	35.0	56.3	50.0	48.5	46.5	45.0
8											
9	66.0	40.0	57.9	3.6	48.8	34.8	61.0	57.0	53.5	48.0	45.6
10	74.0	38.0	59.7	3.8	50.0	39.5	59.5	54.0	51.5	48.0	46.0
11	81.0	37.0	75.8	6.4	59.3	60.0	70.0	63.5	58.0	52.0	45.5
12	65.0	37.0	52.9	3.2	44.7	34.9	54.0	50.7	48.5	45.3	42.8
13	72.0	37.0	60.5	4.5	49.0	42.2	60.0	55.5	51.5	47.0	43.5
14	70.0	38.0	58.0	3.8	48.2	48.9	57.0	52.5	51.0	50.1	45.5
15	78.0	37.0	61.9	4.1	51.4	41.5	61.0	55.5	52.0	48.1	45.7
16	71.0	39.0	56.9	3.4	48.2	38.2	56.0	54.2	50.3	47.9	45.5
17	64.0	39.0	55.7	3.3	47.2	39.2	57.0	53.8	51.2	48.3	45.8
18	99.0	41.0	86.1	6.4	69.7	77.8	66.0	63.5	62.3	60.3	57.9
19	66.0	42.0	61.6	3.8	51.8	53.7	61.0	58.5	57.0	54.5	51.5
20	92.0	41.0	72.9	3.8	63.0	44.0	61.0	55.0	53.5	51.5	49.5
21	94.0	41.0	79.0	5.1	65.9	48.5	71.0	59.3	56.0	52.3	49.3
22	96.0	40.0	78.6	4.7	66.6	59.5	61.0	57.5	56.5	54.2	47.6
23	68.0	38.0	57.3	3.6	48.2	34.1	59.0	54.2	49.7	46.5	44.0
24	61.0	38.0	50.5	2.5	44.1	26.7	54.0	47.3	46.3	43.9	42.8

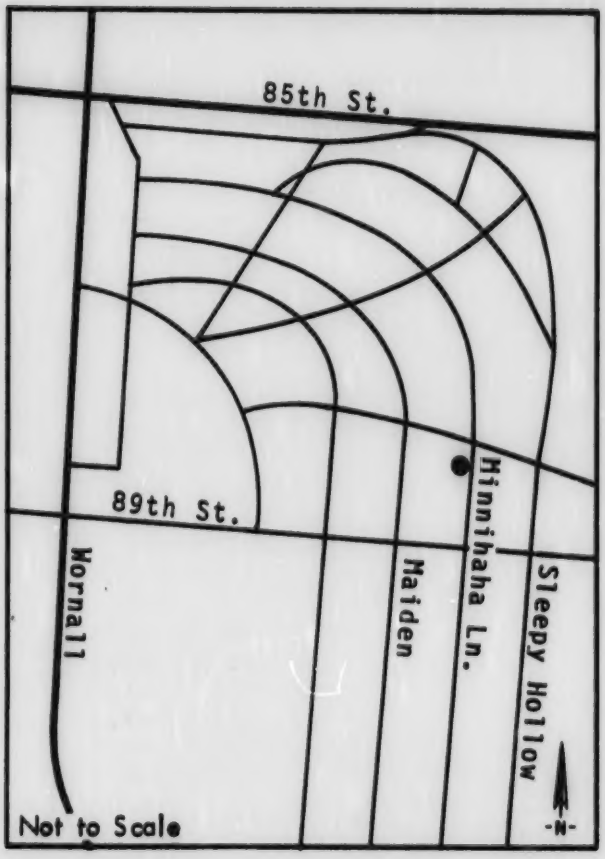
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	41.6	41.2	40.9	40.5	40.0	39.5	39.0	38.5	38.2	38.0
2	38.5	38.2	37.8	37.4	37.2	36.9	36.4	36.2	36.1	35.5
3	37.8	37.3	37.1	36.9	36.5	36.3	36.1	35.6	35.4	35.1
4	38.5	38.1	37.7	37.2	36.9	36.5	36.0	35.5	35.3	35.1
5	38.7	38.3	38.0	37.6	37.2	36.9	36.3	36.1	35.8	35.2
6	41.7	41.0	40.5	39.9	39.2	38.6	37.9	37.4	37.2	37.0
7	44.1	43.5	43.0	42.5	42.0	41.3	40.4	39.7	39.3	38.6
8										
9	44.8	44.4	43.9	43.5	43.2	42.5	42.3	42.1	41.5	41.2
10	44.9	44.0	43.3	42.8	42.1	41.5	40.7	40.2	40.0	39.3
11	43.6	42.0	41.7	41.1	40.5	40.0	39.3	39.0	38.5	38.1
12	41.8	41.2	40.7	40.4	39.8	39.5	39.0	38.4	38.2	37.5
13	42.1	41.2	40.5	40.1	39.5	39.2	38.5	38.2	38.0	37.3
14	44.0	43.2	42.7	42.4	41.8	41.4	40.5	40.0	39.7	39.3
15	44.5	43.6	42.9	42.4	41.8	41.2	40.3	40.0	39.2	38.5
16	44.5	43.7	43.2	42.7	42.3	41.7	41.2	40.5	40.2	40.0
17	44.8	44.1	43.5	43.1	42.5	42.0	41.5	40.8	40.4	40.0
18	55.5	53.1	49.0	47.5	46.6	45.7	44.5	43.5	43.0	42.1
19	50.0	49.1	48.2	47.5	46.4	45.9	44.8	44.3	44.1	43.2
20	48.3	47.6	46.7	46.2	45.5	44.8	44.1	43.3	43.1	42.2
21	47.5	46.7	46.0	45.6	45.1	44.5	43.8	43.3	43.1	42.5
22	46.5	45.7	45.2	44.5	44.0	43.4	42.3	41.8	41.3	41.0
23	43.3	42.7	42.3	41.9	41.5	41.1	40.6	40.3	40.1	39.5
24	42.5	41.8	41.5	41.2	40.7	40.3	39.7	39.3	39.1	38.5

FIGURE B-49(b). HOURLY NOISE DATA FOR KANSAS CITY SITE 1301



	DAY '	NIGHT "	WEIGHTING	WEIGHTED LEQ
MAX	99.0	68.0	0.	59.8
MIN	64.0	47.0	8.	60.0
NPL	74.5	51.5	10.	60.1
SIG	5.1	3.3	12.	60.3
LEQ	61.8	43.6		
TNI	56.1	35.2		
L1	61.7	51.0		
L3	57.9	46.5		
L5	55.8	45.2		
L10	51.5	43.6		
L20	48.0	42.4		
L30	46.3	41.5		
L40	45.1	40.3		
L50	44.1	39.9		
L60	43.3	38.9		
L70	42.3	38.1		
L80	41.4	37.4		
L90	40.3	36.7		
L95	39.4	36.2		
L97	39.1	36.0		
L99	38.1	35.1		

FIGURE B-49(c). DAY/NIGHT NOISE DATA FOR KANSAS CITY SITE 1301



L_{DN}:	53.2	dB
ρ:	2,600	people / sq. mi.

SITE: 1302

Address: 8808 Minnehaha Ln.
Kansas City, Mo.

Microphone Height: 1.5 m.

Distance to Curb: 9.2 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

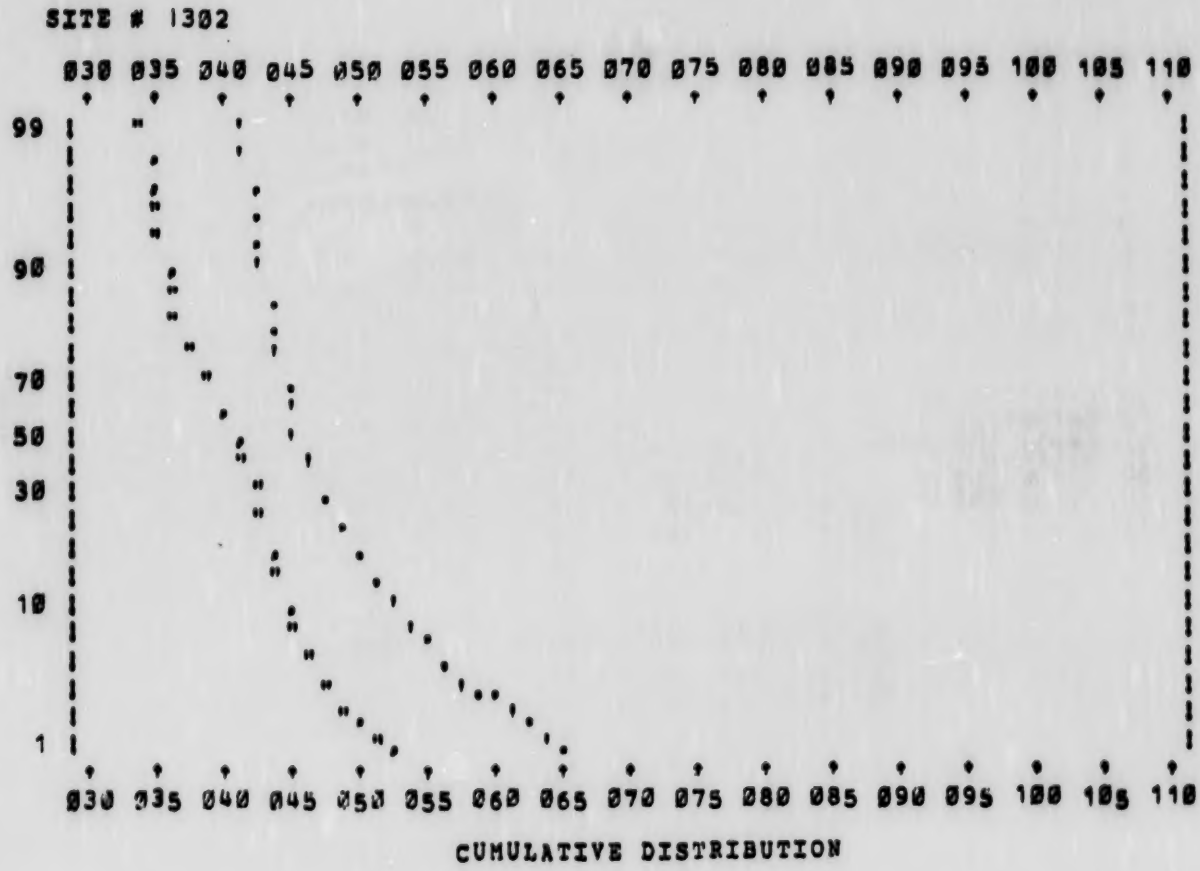
FIGURE B-50(a). DESCRIPTION OF KANSAS CITY SITE 1302

SITE # 1302

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	70.0	37.5	50.3	2.4	44.3	29.0	51.9	48.3	46.8	45.1	43.8
2	60.0	35.0	48.1	2.5	41.6	27.8	51.3	47.0	44.9	42.8	41.1
3	52.5	32.5	45.5	2.0	40.4	25.8	46.1	44.1	43.2	42.2	41.3
4	62.5	32.5	50.1	3.4	41.3	26.8	53.4	48.9	45.7	40.8	38.6
5	63.8	31.3	42.3	1.8	37.6	17.6	42.2	39.4	38.6	37.6	37.1
6	67.5	32.5	48.5	2.9	41.0	30.6	47.5	44.3	43.0	41.6	40.6
7	65.0	36.3	55.1	3.4	46.3	38.3	57.7	52.5	50.1	47.4	45.2
8											
9	65.0	38.8	58.3	3.9	48.4	48.8	58.2	56.4	55.0	51.2	47.2
10	78.8	37.5	60.3	4.2	49.6	46.0	61.8	57.2	54.5	50.3	47.2
11	73.8	38.8	63.9	4.9	51.4	57.3	63.1	58.9	56.8	53.3	49.5
12	82.5	38.8	74.0	6.6	57.2	69.3	70.8	67.4	62.1	56.3	51.1
13	70.0	38.8	58.0	3.8	48.4	42.5	60.3	54.9	52.7	49.4	46.7
14	78.8	40.0	62.1	4.4	50.9	54.0	60.5	56.7	54.6	52.6	50.8
15	75.0	40.0	61.4	3.9	51.3	55.1	59.7	56.5	55.5	54.1	52.5
16	71.3	40.0	58.7	3.7	49.3	48.1	58.9	55.6	53.7	51.8	49.7
17	73.8	41.3	59.2	3.6	49.9	42.3	60.2	56.0	53.7	50.3	47.6
18	83.8	41.3	77.3	7.1	59.2	89.3	71.1	68.9	66.4	63.2	54.5
19	72.5	41.3	57.5	3.0	49.8	37.3	60.1	55.1	52.9	50.4	48.4
20	75.0	41.3	56.2	2.8	49.1	33.8	60.0	54.6	52.1	49.4	47.7
21	72.5	40.0	60.3	3.8	50.5	50.6	60.8	57.7	55.9	53.2	50.0
22	66.3	41.3	53.3	2.4	47.3	31.7	56.4	51.7	49.9	48.4	47.2
23	71.3	40.0	53.7	2.6	47.1	27.4	58.2	49.9	47.7	46.3	45.4
24	72.5	38.8	52.2	2.4	46.1	25.6	53.0	48.3	46.2	45.0	44.2

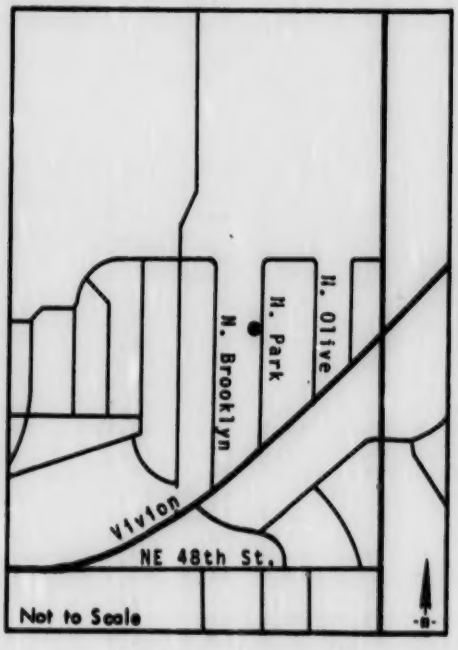
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	43.3	42.7	42.3	41.9	41.5	41.1	40.4	40.1	39.8	39.1
2	40.6	40.1	39.7	39.4	39.1	38.7	37.9	37.3	36.9	36.4
3	40.8	40.3	39.9	39.4	39.0	38.5	37.7	36.7	36.1	35.1
4	38.0	37.4	37.1	36.8	36.5	36.0	35.5	35.2	35.1	34.4
5	36.6	36.2	35.9	35.6	35.3	35.0	34.3	33.9	33.8	33.0
6	39.8	39.0	38.2	37.3	36.6	36.2	35.3	34.8	34.4	33.9
7	44.0	43.4	42.9	42.4	41.9	41.5	40.4	39.4	38.9	38.0
8										
9	45.9	45.2	44.4	43.9	43.4	42.8	42.0	41.5	41.3	40.6
10	45.8	44.8	44.1	43.5	43.0	42.5	41.7	41.3	40.8	40.1
11	47.1	45.7	44.6	43.9	43.3	42.7	41.9	41.5	41.3	40.6
12	47.9	46.2	44.9	44.0	43.3	42.7	42.0	41.5	41.4	40.7
13	45.2	44.3	43.6	43.1	42.7	42.2	41.7	41.4	41.3	40.6
14	49.4	47.9	46.2	45.1	44.3	43.1	42.2	41.7	41.5	41.3
15	51.5	50.5	49.4	48.3	47.2	45.5	43.8	43.0	42.7	41.9
16	48.0	46.5	45.7	44.9	44.4	43.8	43.1	42.7	42.6	41.8
17	46.5	45.7	45.1	44.6	44.1	43.5	43.0	42.7	42.6	41.9
18	50.3	48.4	47.2	46.4	45.8	45.2	44.5	44.0	43.9	43.2
19	47.4	46.9	46.5	46.1	45.7	45.3	44.7	44.2	44.0	43.6
20	47.1	46.7	46.2	45.9	45.5	45.2	44.6	44.1	43.9	43.6
21	48.6	47.5	46.8	46.2	45.5	44.9	44.0	43.4	43.0	42.5
22	46.5	46.0	45.6	45.3	44.9	44.4	43.9	43.4	43.0	42.6
23	44.8	44.5	44.1	43.7	43.4	43.0	42.7	42.5	42.0	41.5
24	43.6	43.3	42.9	42.6	42.2	41.8	41.4	41.2	40.7	40.2

FIGURE B-50(b). HOURLY NOISE DATA FOR KANSAS CITY SITE 1302



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	83.8	72.5	0.	51.0
MIN	37.5	31.3	8.	52.4
MPL	64.5	53.7	10.	53.2
SIG	4.6	3.8	12.	54.2
LEQ	52.7	43.9		
TWI	52.1	41.8		
L1	65.1	52.9		
L3	58.9	48.0		
L5	55.9	46.3		
L10	52.6	44.9		
L20	49.5	43.6		
L30	47.7	42.7		
L40	46.7	41.8		
L50	45.9	40.8		
L60	45.2	39.7		
L70	44.4	38.6		
L80	43.6	37.1		
L90	42.7	35.9		
L95	42.0	35.2		
L97	41.6	34.9		
L99	41.3	34.0		

FIGURE B-50(c). DAY/NIGHT NOISE DATA FOR KANSAS CITY SITE 1302



L_{dn} :	60.0	dB
ρ :	2,700	people / sq. mi.

SITE: 1303

Address: 5030 North Park
Kansas City North, Mo.

Microphone Height: 1.5 m.

Distance to Curb: 14.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

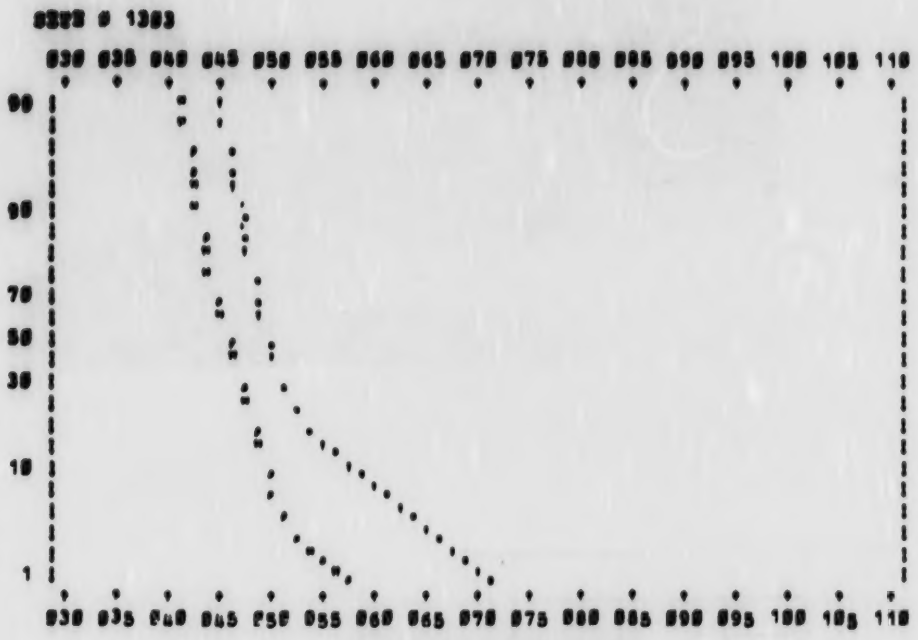
FIGURE B-51(a). DESCRIPTION OF KANSAS CITY SITE 1303

SITE # 1303

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	68.8	42.5	55.0	2.4	48.9	29.4	58.8	54.8	52.2	48.9	46.3
2	68.8	42.5	50.5	1.6	46.4	26.3	51.2	48.4	47.5	47.2	46.4
3	71.3	41.3	54.8	2.8	47.7	28.5	60.6	51.4	48.4	46.6	45.9
4	62.5	40.8	50.0	1.8	45.3	26.9	52.8	48.2	47.8	46.1	45.6
5	76.3	40.8	54.8	2.7	47.8	25.9	58.7	49.6	46.6	46.3	44.6
6	68.8	40.8	54.8	2.8	46.8	34.3	56.9	51.1	49.6	47.7	46.8
7	76.3	42.5	62.3	3.7	52.9	37.8	65.6	58.6	53.5	50.6	48.7
8	78.8	42.5	56.7	2.7	49.9	37.1	59.7	55.2	53.3	51.2	49.7
9	71.3	42.5	57.8	2.8	50.6	36.1	60.8	56.2	54.8	51.3	49.8
10	81.3	45.8	67.5	4.2	56.9	48.8	78.8	64.9	59.7	53.7	51.3
11	78.8	43.8	56.7	2.4	50.7	33.8	60.9	53.6	52.8	50.9	49.9
12	83.8	43.8	63.5	3.5	54.6	46.3	63.8	58.8	56.9	54.9	53.4
13	82.5	43.8	65.5	3.9	55.6	48.1	65.4	59.4	56.9	51.7	49.9
14	77.5	45.8	63.3	3.7	53.9	43.2	66.1	62.8	58.7	54.1	50.7
15	76.3	43.8	57.8	2.6	51.8	36.1	58.6	52.4	51.4	50.8	49.9
16	75.8	43.8	60.8	2.9	52.5	34.2	64.8	58.7	55.3	51.9	50.4
17	81.3	43.8	60.9	3.2	52.7	39.6	63.2	57.8	54.3	52.2	50.9
18	86.3	47.5	74.1	4.4	58.9	51.6	78.8	65.5	62.3	57.4	53.6
19	98.8	45.8	84.5	7.8	66.6	84.9	77.6	72.4	69.6	65.3	60.3
20	92.5	46.3	79.8	5.9	63.9	72.3	76.9	69.4	66.3	62.8	58.6
21	93.8	46.3	86.3	7.2	67.6	92.2	79.5	75.4	73.8	69.8	64.6
22	98.8	46.3	66.6	3.7	57.2	43.8	68.3	62.2	59.2	55.2	52.4
23	65.8	46.3	53.7	1.4	50.1	29.1	55.9	53.8	52.6	51.1	50.1
24	67.5	43.8	52.8	1.6	48.7	28.9	55.6	51.5	50.4	49.7	48.9

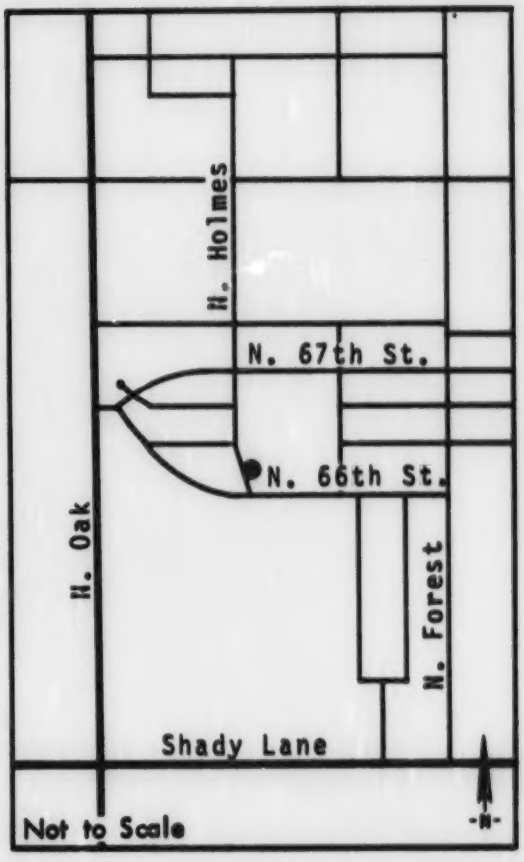
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	47.9	47.5	47.2	46.9	46.6	46.3	45.3	44.6	44.3	43.9
2	46.1	45.8	45.5	45.3	45.0	44.5	44.1	43.9	43.8	43.0
3	45.4	45.0	44.5	44.1	43.7	43.3	42.8	42.6	42.5	41.8
4	45.0	44.8	44.5	44.2	44.0	43.6	42.5	41.9	41.6	41.4
5	44.1	43.6	43.3	43.0	42.7	42.3	41.7	41.4	41.3	40.7
6	45.0	44.5	43.9	43.5	43.1	42.8	42.2	41.7	41.5	41.3
7	48.0	47.4	47.0	46.6	46.2	45.7	45.2	44.6	44.2	43.9
8	48.7	48.3	47.8	47.4	47.0	46.6	45.9	45.4	45.1	44.4
9	49.1	48.6	48.2	47.8	47.4	46.9	46.3	45.6	45.3	44.6
10	50.7	50.1	49.7	49.4	49.0	48.7	48.0	47.7	47.6	46.8
11	49.5	49.1	48.7	48.3	48.0	47.6	46.9	46.5	46.3	45.5
12	52.3	51.8	49.9	49.2	48.6	48.2	47.7	47.5	46.9	46.3
13	49.1	48.5	48.0	47.6	46.9	46.2	45.6	45.2	45.1	44.7
14	49.8	49.5	49.1	48.8	48.5	48.1	47.8	47.6	47.6	47.2
15	49.2	48.5	47.6	47.1	46.7	46.3	45.7	45.3	45.2	45.0
16	49.8	49.6	49.3	49.0	48.8	48.3	47.8	47.5	46.8	45.6
17	50.0	49.4	48.8	48.1	47.4	46.9	46.4	45.8	45.5	45.1
18	52.4	51.8	51.2	50.8	50.4	50.0	49.4	49.0	48.9	48.0
19	57.1	54.6	52.7	51.3	50.3	49.5	48.8	48.0	47.6	46.8
20	56.1	54.3	52.9	51.7	50.8	50.0	49.2	48.8	48.4	47.8
21	61.1	58.6	56.5	54.9	53.5	52.3	51.3	50.3	49.8	48.9
22	51.8	51.2	50.8	50.4	50.0	49.5	49.1	48.8	48.7	47.9
23	49.8	49.6	49.4	49.2	49.1	48.9	48.4	47.9	47.8	47.6
24	48.5	48.3	48.0	47.8	47.5	47.0	46.6	46.4	46.3	46.7

FIGURE B-51(b). HOURLY NOISE DATA FOR KANSAS CITY SITE 1303



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED L_{eq}
MAX	98.8	76.3	0.	58.7
MIN	42.5	48.8	0.	59.5
MPL	74.8	56.7	10.	68.8
SIG	5.2	3.1	12.	68.7
L50	68.6	48.8		
THI	68.4	39.6		
L1	71.9	57.6		
L3	66.8	52.5		
L5	62.7	50.8		
L10	57.8	49.6		
L20	53.3	48.5		
L30	51.4	47.6		
L40	50.5	46.7		
L50	49.7	46.0		
L60	49.2	45.2		
L70	48.6	44.5		
L80	47.9	43.9		
L90	46.9	42.9		
L95	46.2	42.4		
L97	45.7	41.9		
L99	45.2	41.4		

FIGURE B-51(c). DAY/NIGHT NOISE DATA FOR KANSAS CITY SITE 1303



L_{DN}:	61.4	dB
ρ:	3,000	people / sq.mi.

SITE: 1304

Address: 6603 North Holmes
Kansas City, Mo.

Microphone Height: 1.5 m.

Distance to Curb: 9.2 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

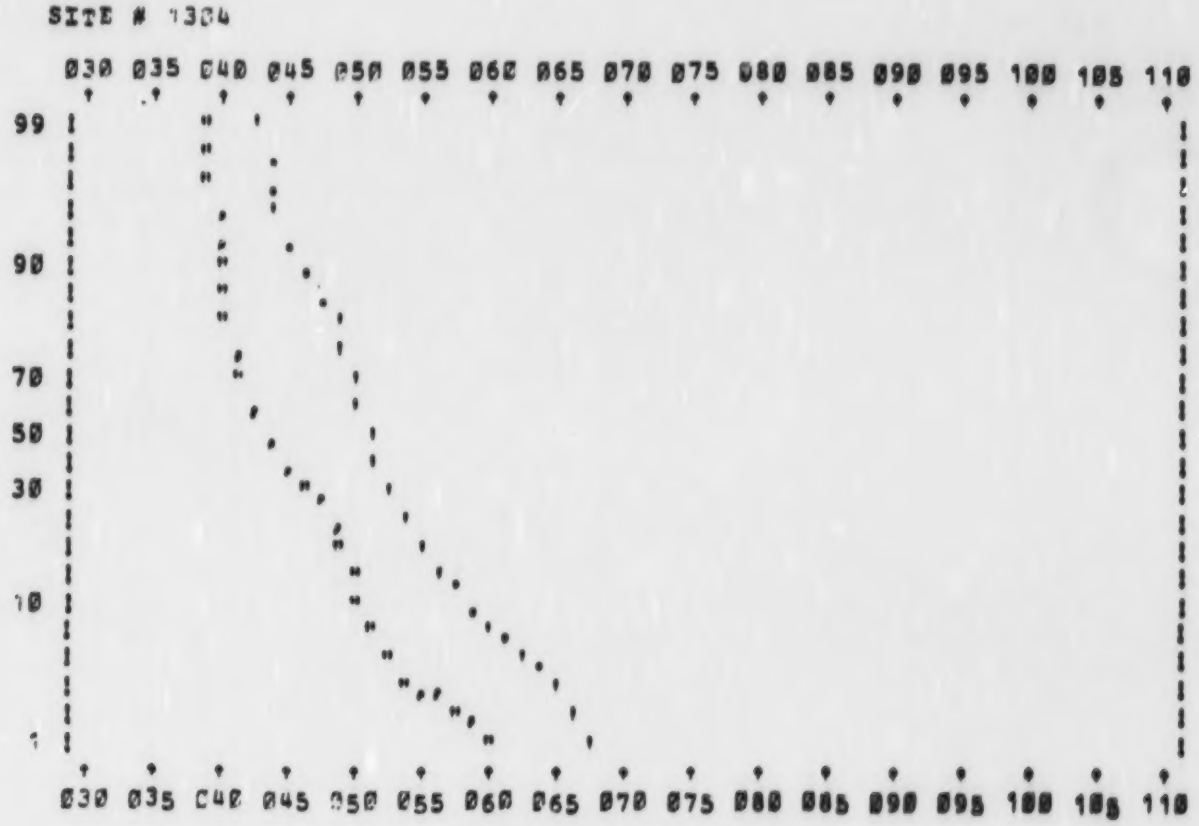
FIGURE B-52(a). DESCRIPTION OF KANSAS CITY SITE 1304

SITE # 1304

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	68.8	40.0	56.5	3.3	48.0	43.8	57.1	52.9	51.4	50.5	49.4
2	65.0	37.5	55.8	3.6	46.6	46.9	55.6	51.2	50.8	49.9	48.8
3	73.8	37.5	60.6	4.4	49.4	48.8	59.4	50.8	50.0	49.4	47.8
4	63.8	37.5	52.6	3.4	43.9	47.5	51.1	49.9	49.5	48.6	42.7
5	70.0	37.5	55.4	3.8	45.6	48.0	55.8	50.3	49.7	48.9	44.7
6	73.8	37.5	57.6	3.8	48.0	42.6	59.2	50.9	49.7	48.3	44.3
7	72.5	37.5	62.9	4.8	50.5	52.6	63.1	59.0	56.0	51.3	47.3
8	82.5	38.8	66.2	4.9	53.6	58.0	63.2	60.3	58.1	54.0	50.8
9	81.3	38.8	63.8	4.6	52.2	55.1	62.4	58.7	56.8	53.5	50.7
10	77.5	40.0	61.8	4.0	51.6	51.4	61.9	58.1	56.1	53.6	51.1
11	78.8	41.3	62.1	3.4	53.4	46.5	63.5	60.0	57.7	54.6	52.4
12	70.0	47.5	67.5	4.3	56.5	63.6	66.1	64.2	63.1	60.5	56.7
13	80.0	41.3	66.4	4.4	55.2	60.3	65.3	61.8	59.9	57.0	53.3
14	80.0	42.5	64.7	3.9	54.8	48.5	66.8	61.3	58.5	54.8	52.2
15	85.0	46.3	71.1	4.7	59.0	58.0	71.1	66.9	63.5	59.0	55.4
16	81.3	46.3	58.9	2.5	52.6	37.5	61.6	58.1	56.3	53.7	52.0
17	81.3	47.5	76.6	6.0	61.3	83.1	71.0	68.8	67.8	66.1	63.3
18	106.2	47.5	76.7	3.1	68.8	41.6	64.7	59.5	58.0	55.8	54.0
19	95.0	47.5	69.6	3.8	59.7	55.7	67.4	63.5	62.1	59.5	56.6
20	82.5	47.5	73.4	5.1	60.3	75.2	68.6	66.5	65.9	64.8	60.4
21	106.2	48.8	83.4	5.5	69.4	74.2	73.3	69.2	67.3	64.6	61.3
22	78.8	47.5	60.2	2.5	53.8	39.0	63.2	59.1	57.3	54.9	52.9
23	77.5	42.5	64.3	3.9	54.4	49.0	64.7	61.1	58.5	54.6	52.1
24	78.8	40.0	65.6	4.5	54.2	47.3	65.1	57.8	54.9	51.7	50.4

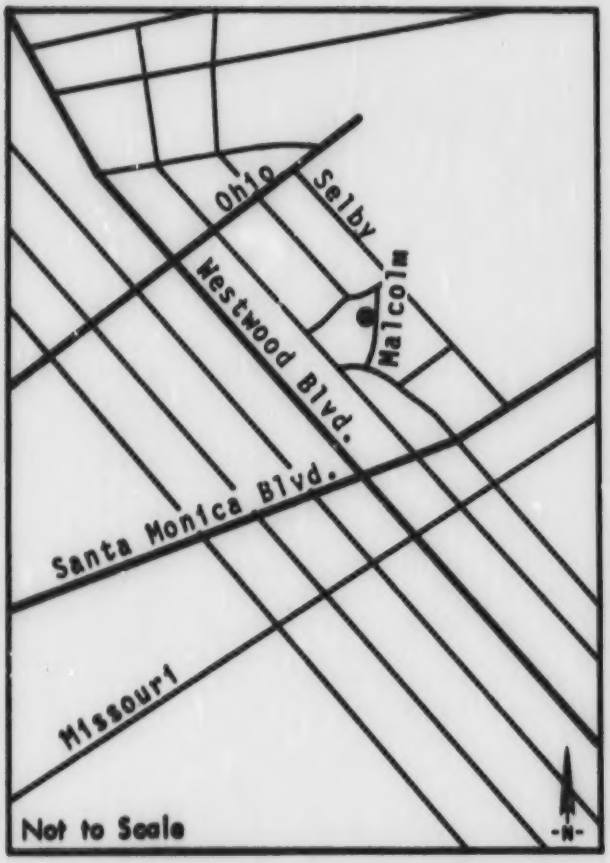
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	47.1	45.5	44.8	44.3	43.8	43.3	42.8	42.5	42.0	41.5
2	45.0	44.3	43.6	43.0	42.5	41.8	40.9	40.2	40.0	39.1
3	42.6	41.9	41.2	40.9	40.6	40.2	39.6	39.2	39.0	38.8
4	41.6	41.0	40.5	40.1	39.7	39.4	39.0	38.8	38.8	38.8
5	41.9	41.1	40.8	40.5	40.2	39.7	39.2	38.9	38.8	38.1
6	42.5	41.9	41.4	41.0	40.7	40.4	40.2	40.0	39.5	39.0
7	45.6	44.4	43.6	42.9	42.3	41.7	40.9	40.3	40.1	39.4
8	49.4	48.1	46.6	45.3	44.3	43.5	42.7	42.0	41.7	41.3
9	49.2	47.8	46.5	45.5	44.7	43.9	43.0	42.5	41.9	41.4
10	49.9	48.9	47.7	46.7	45.9	45.2	44.3	43.9	43.5	42.7
11	51.5	50.9	50.4	49.9	49.4	48.9	47.3	46.2	45.5	44.5
12	54.4	53.2	52.2	51.3	50.7	50.2	49.4	49.0	48.8	48.2
13	51.7	50.9	50.4	49.8	49.2	48.2	45.9	44.7	44.1	43.3
14	51.2	50.7	50.3	49.8	49.4	48.9	47.0	45.4	44.7	44.0
15	53.9	52.3	51.3	50.8	50.4	50.0	49.3	49.0	48.9	48.6
16	51.2	50.8	50.5	50.2	49.8	49.5	49.1	48.9	48.8	48.3
17	57.3	55.4	54.0	53.0	52.2	51.4	50.5	49.9	49.4	49.0
18	53.3	52.7	52.3	51.9	51.5	51.1	50.5	50.2	50.1	49.6
19	54.9	53.7	53.0	52.4	51.9	51.5	50.8	50.3	50.2	49.7
20	56.7	54.6	53.8	53.1	52.5	51.9	51.3	50.7	50.4	50.1
21	56.8	56.8	55.3	54.0	53.0	52.2	51.4	50.8	50.5	50.1
22	52.2	51.9	51.5	51.2	50.9	50.5	50.2	50.1	49.9	49.1
23	51.2	50.7	50.2	49.3	48.4	47.5	46.5	45.7	45.3	44.9
24	49.6	48.7	46.1	45.3	44.6	44.0	43.2	42.7	42.4	41.6

FIGURE B-52(b). HOURLY NOISE DATA FOR KANSAS CITY SITE 1304



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	76.2	78.6	0.	68.1
MIN	38.8	37.5	8.	68.9
NPL	75.3	62.6	10.	61.4
SIG	5.2	4.8	12.	62.1
LEQ	62.0	59.3		
TNI	67.0	52.9		
L1	68.5	61.0		
L3	65.2	55.		
L5	63.1	52.4		
L10	58.7	50.8		
L20	54.8	49.2		
L30	53.1	47.0		
L40	52.1	44.8		
L50	51.3	43.5		
L60	50.7	42.4		
L70	50.0	41.4		
L80	49.0	40.7		
L90	45.9	40.0		
L95	44.3	39.4		
L97	43.5	39.1		
L99	42.5	38.8		

FIGURE B-52(c). DAY/NIGHT NOISE DATA FOR KANSAS CITY SITE 1304



L_{DN}:	56.4	dB
ρ:	12,400	people / sq. mi.

SITE: 1601

Address: 1637 Malcolm
Los Angeles, Ca.

Microphone Height: 4.5 m.

Distance to Curb: 6.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-53(a). DESCRIPTION OF LOS ANGELES SITE 1601

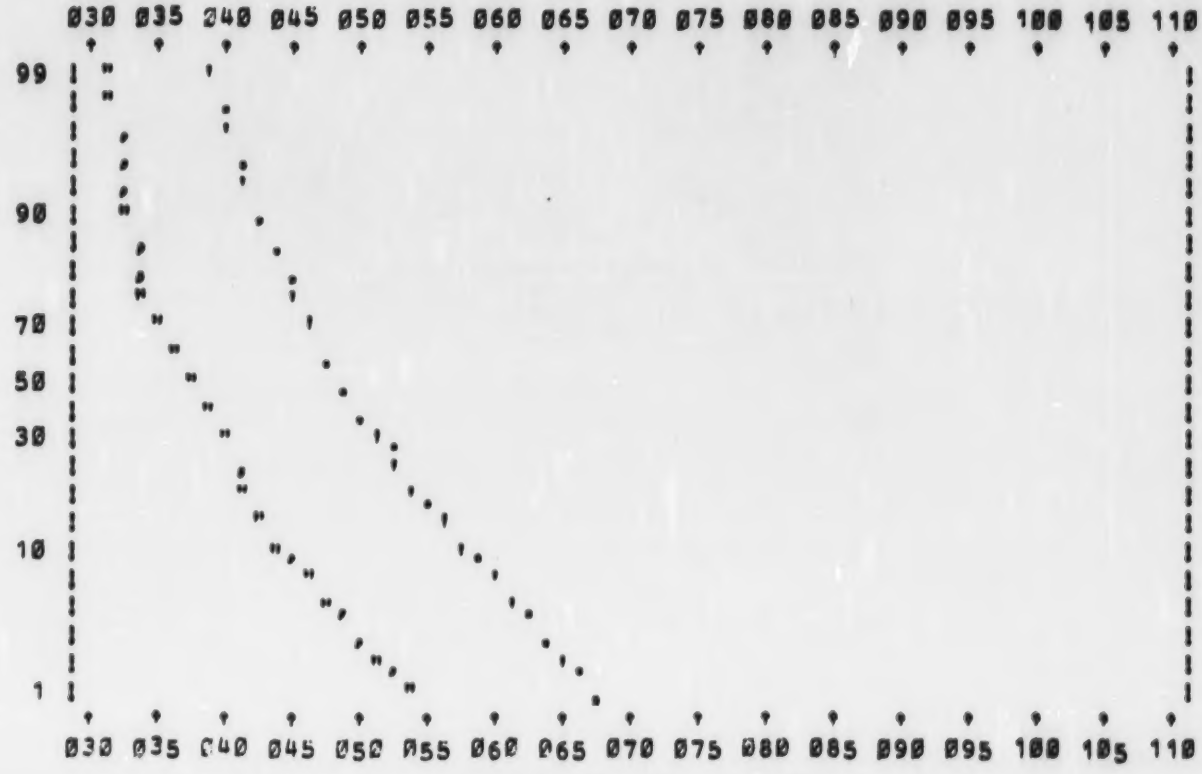
SITE # 1601

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	72.5	33.8	55.3	4.3	44.4	41.7	55.8	51.6	49.0	44.8	41.2
2	55.0	31.3	52.4	4.3	41.3	49.6	49.8	48.0	47.0	45.3	42.9
3	65.0	31.3	54.4	4.9	41.8	48.6	53.6	49.6	47.7	44.2	40.2
4	53.8	31.3	42.8	2.3	34.9	16.9	44.8	39.6	37.1	35.5	34.4
5	67.5	31.3	46.6	3.2	38.5	23.7	48.3	41.9	39.8	37.2	34.9
6	75.0	31.3	49.2	2.8	42.1	26.8	46.1	42.2	41.1	39.7	38.5
7	67.5	35.0	54.9	4.0	44.8	41.7	55.5	51.9	49.9	45.8	43.2
8	95.0	36.3	77.0	7.2	58.5	79.8	67.5	63.7	61.4	57.0	51.8
9	90.0	36.3	73.9	6.9	56.2	80.3	68.1	62.7	60.8	57.8	53.0
10	80.0	42.5	74.7	5.9	59.6	74.1	72.7	66.4	64.2	61.2	57.6
11	85.0	42.5	72.1	5.2	58.8	69.4	69.9	65.5	63.7	60.7	57.2
12	100.0	42.5	75.4	5.6	61.2	69.5	68.3	65.0	63.0	59.4	54.9
13	75.0	42.5	68.1	5.1	55.0	67.6	65.6	63.0	61.5	58.9	54.8
14	78.8	40.0	68.2	5.1	55.2	63.2	66.0	61.6	59.7	56.8	53.1
15	77.5	42.5	76.8	6.6	60.0	79.5	72.4	70.0	66.9	62.1	57.9
16	81.3	42.5	67.4	4.9	55.0	64.1	65.0	61.4	59.9	57.7	54.3
17	82.5	41.3	70.5	5.5	56.4	70.4	67.4	64.1	62.1	59.3	55.6
18	78.8	42.5	69.6	5.5	55.4	70.5	66.3	64.0	62.3	58.9	54.0
19	83.8	41.3	67.9	5.2	54.6	63.7	65.9	62.4	60.2	56.5	52.1
20	86.3	38.8	73.2	6.3	57.0	74.2	68.1	63.5	61.5	58.0	53.1
21	78.8	38.8	69.0	5.5	54.8	65.7	64.3	61.0	58.7	55.7	53.9
22	83.8	37.5	61.2	4.4	49.9	46.2	61.9	55.7	52.3	49.1	45.0
23	73.8	36.3	54.3	3.4	45.5	31.7	56.4	52.0	48.7	44.7	42.4
24	80.0	35.0	63.2	4.9	50.6	53.1	60.5	54.4	52.7	49.6	46.6

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	39.8	38.9	38.2	37.7	37.1	36.6	35.9	35.4	35.2	35.0
2	40.8	39.1	37.9	36.7	35.7	34.8	33.8	33.1	32.8	32.5
3	37.4	35.6	34.7	34.3	33.8	33.3	32.6	32.5	32.1	31.5
4	33.7	33.4	33.1	32.8	32.5	32.1	31.7	31.5	31.4	31.3
5	34.2	33.6	33.2	32.9	32.5	32.1	31.7	31.5	31.4	31.3
6	37.8	37.3	36.8	36.3	35.6	34.8	34.0	33.5	33.1	32.7
7	42.2	41.5	40.8	40.0	38.9	38.1	37.2	36.6	36.4	35.7
8	46.6	43.7	42.3	41.4	40.8	40.2	39.4	38.9	38.8	37.9
9	49.9	47.4	45.4	43.7	42.4	41.4	40.3	39.6	39.2	38.8
10	55.4	53.3	51.7	50.4	49.2	48.1	46.9	46.1	45.6	45.1
11	55.0	53.5	52.4	51.5	50.5	49.4	47.9	46.7	46.2	45.3
12	51.9	49.9	48.7	48.1	47.5	46.8	46.1	45.4	45.1	44.3
13	51.6	49.7	48.6	47.9	47.3	46.7	46.0	45.4	45.2	44.7
14	50.7	49.0	47.9	47.0	46.2	45.5	44.6	43.9	43.3	42.6
15	54.5	52.2	50.6	49.4	48.3	47.3	46.3	45.6	45.3	44.8
16	51.8	49.8	48.4	47.5	46.9	46.4	45.6	45.2	45.0	44.2
17	53.0	50.8	49.2	48.1	47.2	46.5	45.6	45.1	44.7	44.0
18	51.5	49.6	48.1	47.1	46.2	45.6	45.0	44.3	44.1	43.8
19	49.5	47.9	46.9	46.1	45.5	44.8	44.1	43.8	43.2	42.7
20	50.0	47.6	46.1	45.1	44.2	43.4	42.6	41.8	41.4	40.6
21	53.5	53.2	52.8	52.5	48.8	43.7	42.4	41.7	41.4	40.7
22	43.5	42.6	42.0	41.5	41.0	40.6	40.1	39.6	39.2	38.9
23	41.6	41.1	40.7	40.3	40.0	39.5	39.0	38.8	38.4	37.8
24	44.3	42.7	41.5	40.6	39.8	39.2	38.4	37.9	37.7	37.3

FIGURE B-53(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1601

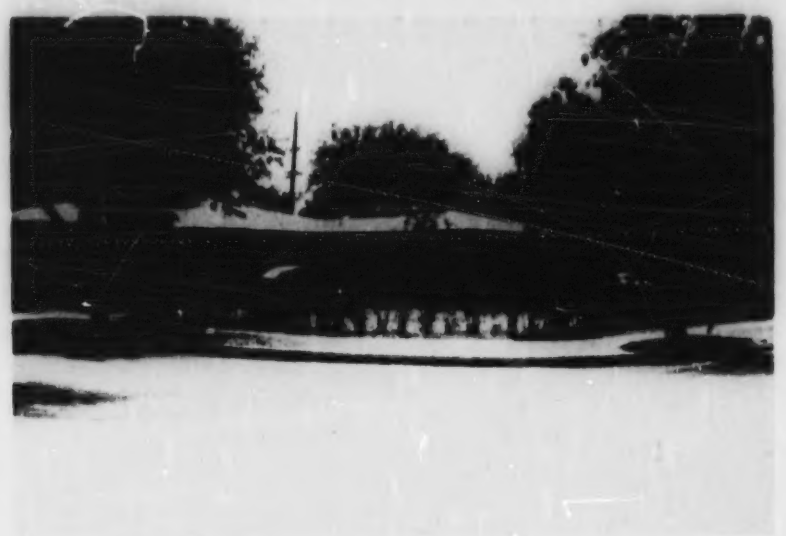
SITE # 1601

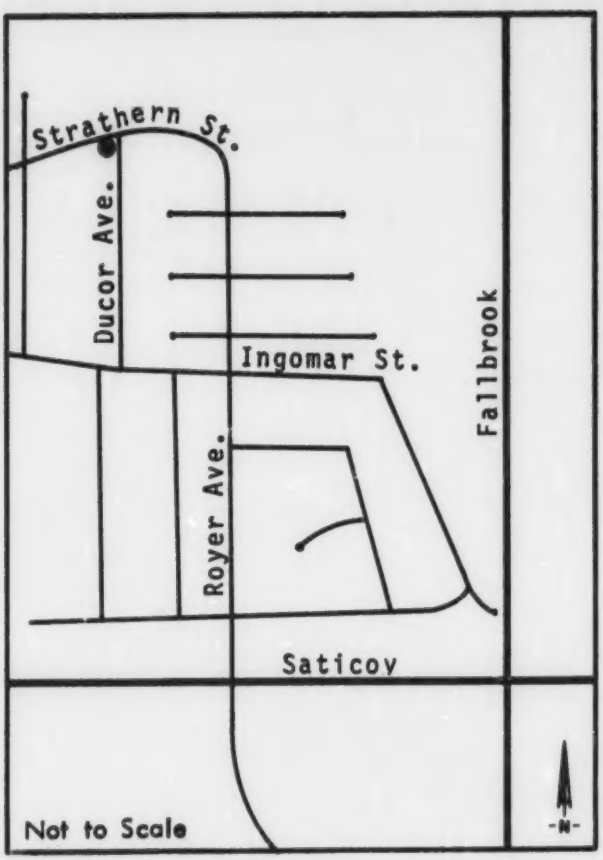


CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	80.0	80.0	0.	55.3
MIN	36.3	31.3	8.	56.0
NPL	73.3	57.5	10.	56.4
SIG	6.3	5.0	12.	57.0
LEQ	57.2	44.7		
TNI	77.0	49.8		
L1	68.1	54.4		
L3	63.7	50.0		
L5	61.7	47.8		
L10	58.4	44.5		
L20	54.3	41.7		
L30	52.2	40.4		
L40	50.0	39.2		
L50	48.4	37.9		
L60	47.1	36.7		
L70	46.0	35.		
L80	44.6	33.8		
L90	42.2	32.8		
L95	40.8	32.		
L97	40.2	31.8		
L99	39.2	31.4		

FIGURE B-53(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1601





L_{DN}:	57.1	dB
ρ:	1,300	people / sq.mi.

SITE: 1602

Address: 7937 Ducor
Canoga Park, Ca.

Microphone Height: 1.5 m.

Distance to Curb: 5.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-54(a). DESCRIPTION OF LOS ANGELES SITE 1602

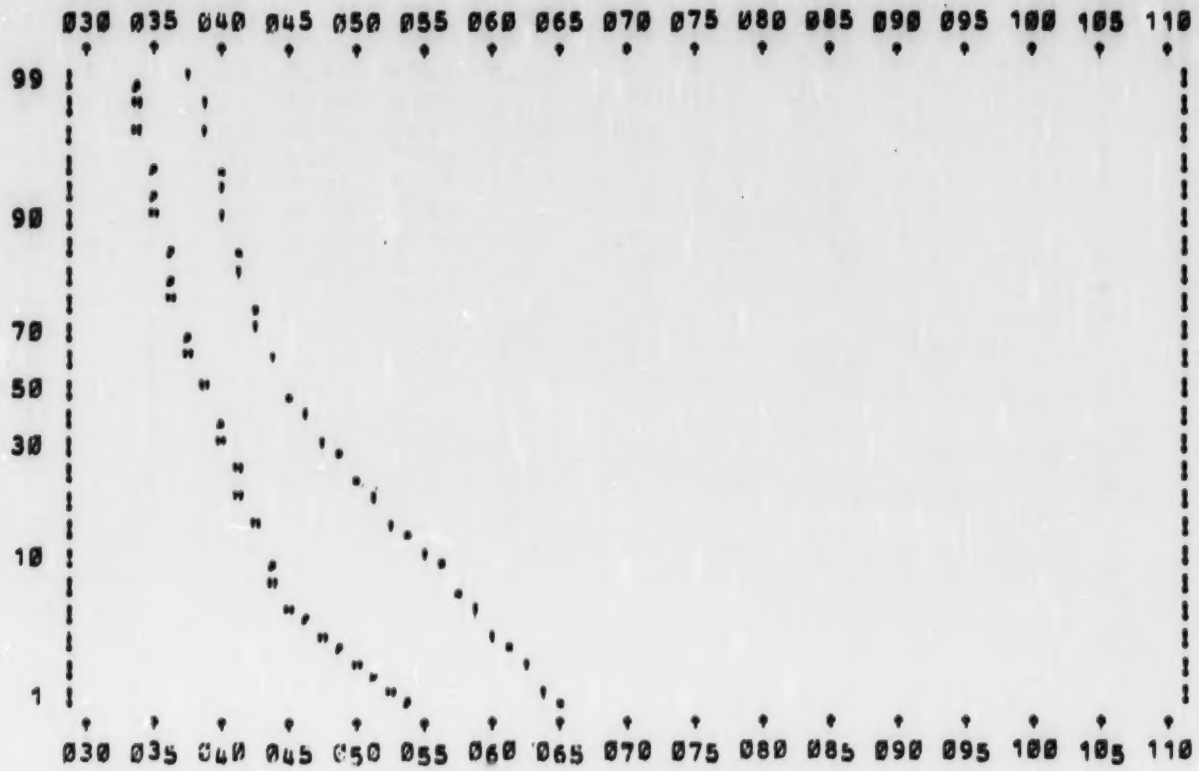
SITE # 1602

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	33.8	51.9	2.9	44.4	26.5	50.9	45.9	43.8	41.5	40.6
2	62.5	31.3	45.4	2.3	39.6	24.9	45.2	42.3	41.2	40.4	39.6
3	66.3	31.3	48.3	3.0	40.7	28.3	50.8	44.0	42.3	40.8	39.6
4	53.8	31.3	48.0	3.3	39.7	37.8	48.6	46.2	45.0	43.0	39.9
5	82.5	31.3	53.6	2.8	46.4	18.7	51.3	39.1	38.5	37.6	37.0
6	67.5	31.3	49.2	3.1	41.2	29.5	50.8	44.0	42.2	40.7	39.6
7	71.3	37.5	56.6	3.6	47.3	38.7	58.9	53.6	51.2	47.8	44.6
8	86.3	38.6	62.9	4.4	51.6	51.0	62.0	58.1	55.4	51.8	48.8
9	80.0	36.3	68.3	6.1	52.6	76.2	63.2	59.6	58.4	56.8	49.2
10	83.8	36.3	71.9	6.7	54.8	76.2	67.1	62.8	60.1	56.5	50.9
11	77.5	36.3	68.6	6.0	53.2	69.0	65.7	61.1	59.0	54.9	49.5
12	87.5	36.3	72.1	5.9	57.0	65.0	66.2	61.5	58.4	54.4	50.0
13	77.5	36.3	72.2	7.1	54.1	82.1	65.3	62.2	60.5	57.4	53.3
14	87.5	35.0	71.3	5.9	56.3	68.0	64.4	60.3	58.1	55.0	51.5
15	91.3	35.0	82.1	7.9	62.0	82.9	72.4	65.7	62.2	57.5	52.3
16	76.3	35.0	69.7	6.4	53.4	73.0	65.7	60.9	58.9	55.2	50.7
17	82.5	37.5	70.0	6.0	54.6	71.0	65.9	61.8	59.6	56.0	52.5
18	83.8	38.8	67.7	5.1	54.6	65.1	64.8	61.4	59.6	56.9	53.6
19	80.0	37.5	69.5	5.8	54.6	70.0	65.9	61.7	59.8	56.9	53.2
20	76.3	36.3	67.9	5.8	53.0	69.3	64.3	60.5	58.7	55.4	50.5
21	80.0	38.6	66.0	5.3	52.5	63.7	63.5	60.3	58.3	55.0	51.1
22	85.0	37.5	64.4	4.4	53.2	44.7	62.8	56.8	53.9	49.3	45.3
23	91.3	36.3	66.5	3.7	57.0	32.2	57.2	52.3	49.0	45.2	43.6
24	78.8	33.8	58.1	3.6	46.9	29.5	58.1	51.2	47.5	44.0	42.7

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	39.9	39.4	38.9	38.4	37.9	37.3	36.6	36.1	35.6	35.2
2	39.1	38.6	38.1	37.6	37.1	36.5	35.6	35.0	34.5	33.9
3	38.9	38.3	37.8	37.1	36.5	35.8	35.0	34.3	34.0	33.4
4	38.5	37.8	37.2	36.7	36.1	35.5	34.7	34.1	33.9	33.1
5	36.5	36.1	35.7	35.3	35.0	34.5	34.0	33.6	33.1	32.7
6	39.0	38.3	37.7	36.8	36.0	35.3	34.5	34.0	33.8	32.9
7	43.6	43.1	42.6	42.1	41.7	41.2	40.5	40.1	39.8	39.1
8	46.2	45.2	44.6	44.0	43.4	42.9	42.1	41.6	41.4	40.8
9	45.5	43.7	42.9	42.2	41.6	41.0	40.3	39.8	39.3	38.9
10	47.3	45.2	43.6	42.5	41.7	40.8	39.9	39.2	38.9	38.1
11	47.0	45.4	44.1	43.1	42.2	41.4	40.2	39.4	39.0	38.1
12	47.8	46.1	44.7	43.6	42.7	41.8	40.8	40.2	39.7	38.9
13	50.1	47.0	45.1	43.8	41.5	40.3	39.2	38.5	38.0	37.6
14	49.2	47.2	45.7	44.3	43.1	41.9	40.6	39.7	39.2	38.4
15	48.3	45.8	44.0	42.6	41.4	40.3	39.0	38.1	37.6	36.6
16	48.3	46.4	44.8	43.3	41.9	40.6	39.3	38.4	37.9	37.1
17	50.5	48.9	47.3	45.8	44.1	42.5	41.0	40.2	39.8	39.0
18	51.6	50.0	48.7	47.6	46.5	45.4	44.0	43.0	42.5	41.3
19	50.8	48.6	47.2	46.0	45.0	43.8	42.5	41.6	41.1	40.2
20	47.5	45.8	44.6	43.6	42.7	41.8	40.8	40.2	39.8	39.0
21	48.4	46.4	45.1	44.4	43.7	43.0	42.1	41.5	41.2	40.4
22	44.4	43.7	43.2	42.7	42.2	41.6	40.9	40.3	40.1	39.5
23	43.0	42.4	41.9	41.4	40.9	40.3	39.5	39.0	38.7	37.8
24	42.0	41.5	41.0	40.5	40.0	39.4	38.8	38.0	37.7	36.9

FIGURE B-54(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1602

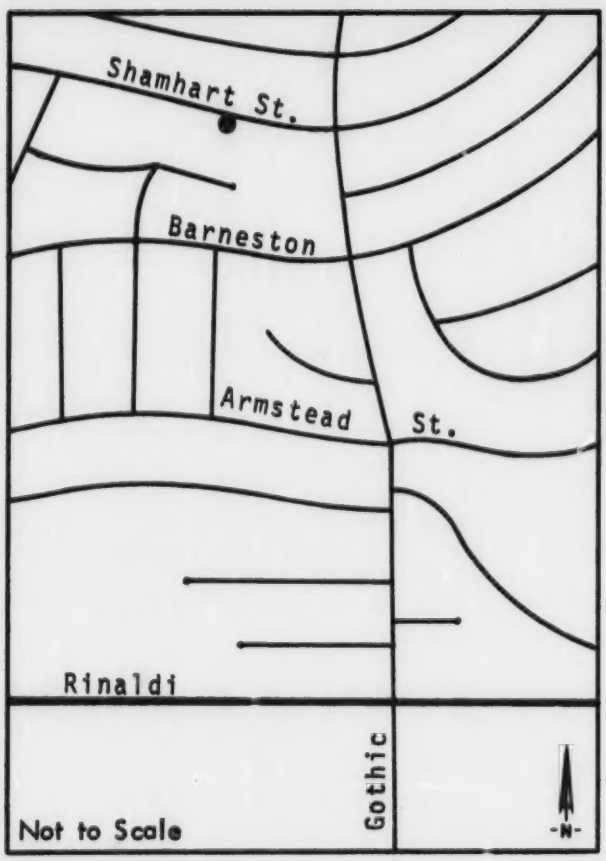
SITE # 1602



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	91.3	91.3	0.	53.6
MIN	35.0	31.3	8.	56.0
NPL	70.5	59.4	10.	57.1
SIG	6.0	4.0	12.	58.4
LEQ	55.0	49.2		
TNI	70.5	38.5		
L1	65.3	54.3		
L3	61.0	48.1		
L5	58.9	45.6		
L10	55.6	43.5		
L20	51.2	42.0		
L30	48.4	40.9		
L40	46.4	39.8		
L50	44.9	39.0		
L60	43.8	38.1		
L70	42.8	37.2		
L80	41.8	36.3		
L90	40.6	35.2		
L95	39.7	34.4		
L97	39.1	34.0		
L99	38.2	33.4		

FIGURE B-54(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1602



L_{DN}:	56.1	dB
ρ:	4,900	people / sq.mi.

SITE: 1603

Address: 16434 Shamhart Dr.
Granada Hills, Ca.

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

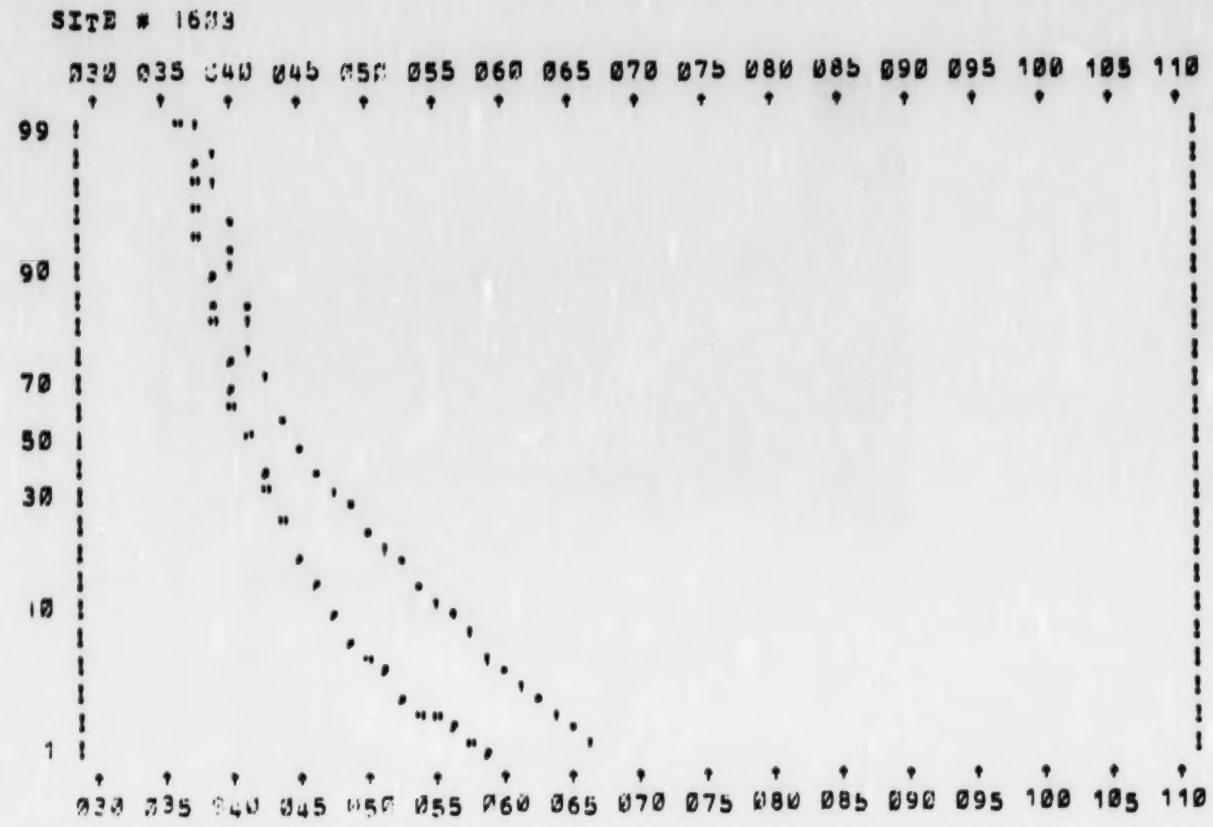
FIGURE B-55(a). DESCRIPTION OF LOS ANGELES SITE 1603

SITE # 1603

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	78.8	35.0	57.8	3.8	48.0	31.7	57.5	51.1	47.8	43.7	41.6
2	75.0	35.0	67.0	5.6	52.6	42.3	67.6	61.0	54.5	46.7	42.7
3	63.8	35.0	52.4	3.4	43.6	31.2	55.2	50.9	47.8	43.6	41.7
4	60.0	35.0	47.0	1.9	42.1	25.7	49.2	45.5	44.1	43.4	42.5
5	68.8	36.3	51.1	2.6	44.5	29.3	53.0	47.1	45.5	44.6	43.6
6	70.0	38.8	51.0	2.2	45.4	28.1	52.7	47.4	46.4	45.8	44.9
7	66.3	40.0	56.1	3.1	48.2	41.6	57.7	53.7	52.3	50.3	48.4
8	77.5	43.0	66.5	5.0	53.8	54.5	65.3	59.9	57.4	53.8	48.7
9	78.8	37.5	71.1	6.0	55.9	64.3	69.7	60.6	58.3	54.3	50.7
10	77.5	36.3	73.3	6.9	55.5	74.5	69.4	64.4	60.7	55.9	51.7
11	76.3	35.0	71.4	6.6	54.6	73.6	67.4	61.8	59.3	55.5	51.3
12	78.8	37.5	69.8	6.0	54.4	72.0	65.8	61.9	60.0	56.6	52.3
13	80.0	35.0	71.2	6.6	54.2	78.0	65.5	61.6	59.7	56.8	52.3
14	82.5	36.3	70.9	6.4	54.6	70.9	67.0	62.0	59.1	55.3	51.3
15	78.8	36.3	67.8	5.9	52.7	69.3	63.4	60.0	58.3	54.9	50.8
16	78.8	35.0	71.9	6.8	54.6	71.5	66.3	61.5	58.8	54.6	50.3
17	73.8	37.5	76.8	7.9	56.6	91.6	67.8	65.1	63.5	60.9	56.7
18	78.8	37.5	73.1	6.8	55.6	79.6	68.5	63.4	61.2	57.8	53.4
19	78.8	37.5	75.7	7.2	57.3	81.2	70.9	65.8	62.3	58.4	53.8
20	80.0	37.5	70.6	6.4	54.3	76.1	65.3	62.1	60.1	57.3	53.7
21	78.8	36.3	68.6	6.1	53.0	69.4	64.7	61.0	59.2	55.0	49.5
22	78.8	36.3	61.4	4.3	50.5	44.0	61.1	55.4	52.3	48.5	45.8
23	73.8	33.8	61.0	4.8	48.7	49.2	60.5	54.9	52.2	48.4	43.9
24	70.0	35.0	60.0	4.9	47.4	48.0	60.2	56.5	53.3	47.7	42.9

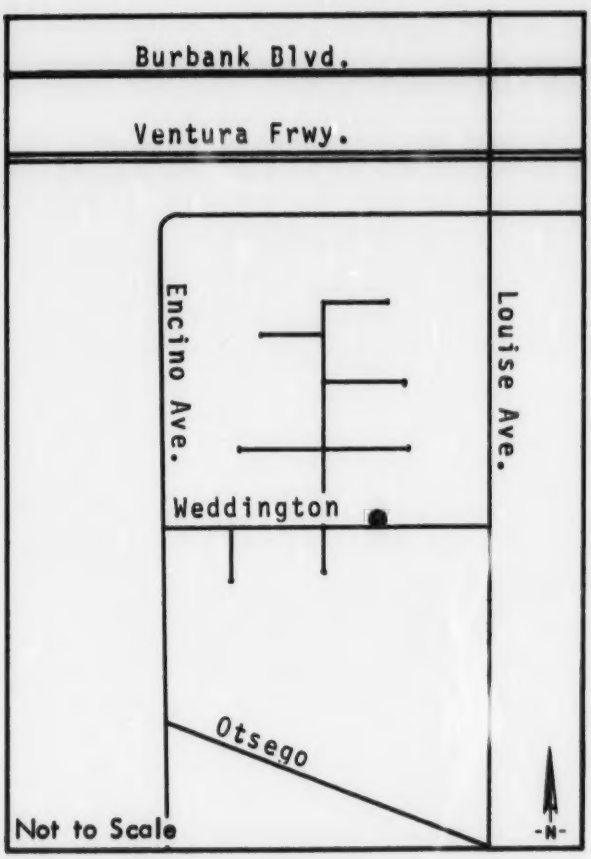
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	40.8	40.1	39.6	39.2	38.8	38.2	37.7	37.1	36.8	36.4
2	41.7	41.0	40.4	39.9	39.4	38.9	38.1	37.7	37.5	36.7
3	40.7	40.0	39.6	39.2	38.8	38.3	37.8	37.5	37.0	36.5
4	42.1	41.7	41.3	40.9	40.5	40.1	39.2	38.8	38.3	37.7
5	43.1	42.6	42.1	41.6	41.1	40.5	39.7	39.0	38.5	37.7
6	44.4	44.0	43.6	43.2	42.8	42.3	41.6	41.3	40.9	40.3
7	47.4	46.7	46.0	45.3	44.6	44.0	43.2	42.8	42.6	41.8
8	46.9	45.7	44.9	44.3	43.7	43.1	42.5	41.8	41.6	41.3
9	48.4	46.6	45.1	43.7	42.8	41.9	41.0	40.4	40.1	39.4
10	48.6	46.1	44.3	42.8	41.7	40.7	39.7	39.1	38.8	38.0
11	48.6	46.5	44.7	43.1	41.7	40.6	39.5	38.9	38.5	37.8
12	49.8	48.0	46.4	45.0	43.8	42.6	41.5	40.7	40.3	39.6
13	48.9	46.6	44.8	43.5	42.2	41.0	39.8	39.0	38.6	37.7
14	48.5	46.6	44.9	43.4	42.2	41.1	40.1	39.4	39.1	38.8
15	48.2	46.2	44.7	43.4	42.3	41.2	40.2	39.4	39.0	38.5
16	47.2	44.6	42.6	41.3	40.4	39.7	39.0	38.4	38.0	37.6
17	52.7	48.6	45.6	43.5	42.4	41.6	40.7	40.1	39.7	39.0
18	50.1	47.6	45.8	44.3	43.0	41.8	40.6	39.9	39.4	38.9
19	50.7	48.3	46.3	44.5	43.0	41.9	40.8	40.2	39.8	39.1
20	50.8	48.4	46.3	44.6	43.2	42.1	41.0	40.4	40.1	39.4
21	46.3	44.4	43.2	42.3	41.6	40.9	40.2	39.7	39.2	38.8
22	44.7	43.9	43.2	42.6	41.9	41.2	40.1	39.3	38.9	38.1
23	42.0	41.0	40.4	39.8	39.4	38.9	38.2	37.7	37.5	36.7
24	41.1	40.3	39.7	39.2	38.7	38.2	37.7	37.2	36.8	36.4

FIGURE B-55(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1603



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	82.5	78.8	0.	53.1
MIN	35.0	33.8	8.	55.1
NPL	73.9	58.5	10.	56.1
SIG	6.4	4.2	12.	57.3
LEQ	54.6	47.8		
TNI	72.3	43.		
L1	67.1	59.0		
L3	61.8	52.6		
L5	59.4	49.9		
L10	55.8	47.0		
L20	51.2	44.5		
L30	48.4	43.2		
L40	46.2	42.2		
L50	44.7	41.3		
L60	43.5	40.6		
L70	42.4	39.8		
L80	41.4	39.1		
L90	40.2	38.3		
L95	39.4	37.7		
L97	39.0	37.5		
L99	38.3	36.7		

FIGURE B-55(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1603



L_{DN}:	61.0	dB
ρ:	3,900	people / sq.mi.

SITE: 1604

Address: 17329 Weddington
Encino, Ca.

Microphone Height: 1.5 m.

Distance to Curb: 11.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

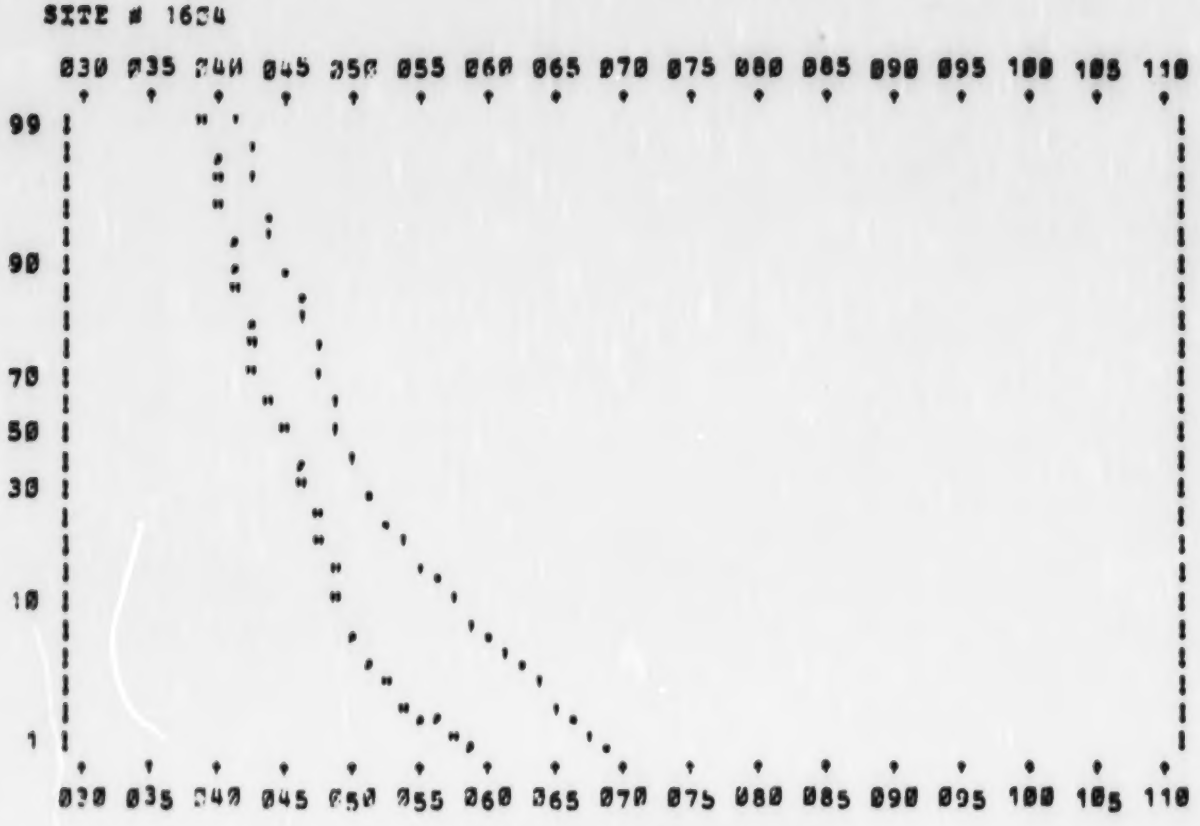
FIGURE B-56(a). DESCRIPTION OF LOS ANGELES SITE 1604

SITE # 1604

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	43.3	54.4	2.8	47.3	36.5	54.5	50.6	49.7	48.7	47.9
2	66.3	38.8	50.7	2.2	45.0	34.5	49.8	48.7	48.3	47.4	46.0
3	68.8	37.5	63.4	4.3	49.3	42.0	63.6	56.4	51.9	48.4	46.5
4	63.8	37.5	46.[illegible]	2.0	42.8	27.9	48.8	46.9	45.9	44.5	43.3
5	67.5	36.3	51.4	2.8	44.3	35.4	51.5	48.6	47.4	46.0	44.6
6	66.3	36.3	54.4	2.8	47.2	39.9	53.6	51.6	50.7	49.5	48.3
7	66.3	41.3	53.7	2.2	47.9	31.3	56.0	51.6	49.9	48.7	47.7
8	78.8	40.0	64.3	4.7	52.3	51.0	65.6	60.1	56.8	52.2	48.4
9	75.0	43.0	65.3	4.8	53.0	57.4	65.0	59.3	57.3	53.9	49.3
10	82.5	37.5	70.1	5.4	56.3	60.1	66.7	59.7	57.3	54.1	49.8
11	93.8	43.8	87.2	7.0	69.2	79.5	80.6	72.4	68.4	63.9	58.7
12	82.5	43.8	68.5	4.6	56.7	57.2	68.5	64.1	61.2	57.2	53.5
13	81.3	43.8	65.0	3.8	55.3	47.2	65.0	60.9	58.5	55.0	51.6
14	102.5	43.8	87.2	6.4	70.7	65.7	81.4	69.3	64.0	60.0	56.8
15	88.8	45.0	78.9	6.2	63.1	83.6	74.6	70.5	68.7	66.1	63.3
16	100.0	45.0	76.9	5.3	63.2	65.5	72.3	65.8	63.4	59.8	55.6
17	83.8	45.0	68.6	4.4	57.2	54.3	67.5	63.1	60.6	56.8	53.3
18	97.5	45.0	68.9	3.9	59.0	52.8	64.9	61.3	59.6	56.7	53.5
19	75.0	45.0	61.5	3.3	53.0	46.6	62.8	59.3	57.8	55.1	52.2
20	100.0	42.5	75.7	4.5	64.3	54.4	66.9	61.9	60.0	56.3	52.3
21	67.5	43.4	61.8	3.5	52.8	52.3	62.7	59.9	58.3	56.0	52.5
22	73.8	42.5	57.5	2.8	50.5	37.1	58.9	55.6	53.4	51.0	49.8
23	75.0	43.4	62.8	3.8	53.1	46.7	64.8	61.4	58.7	54.1	50.9
24	75.7	41.3	55.7	2.4	49.5	34.6	58.0	52.5	51.1	50.1	49.5

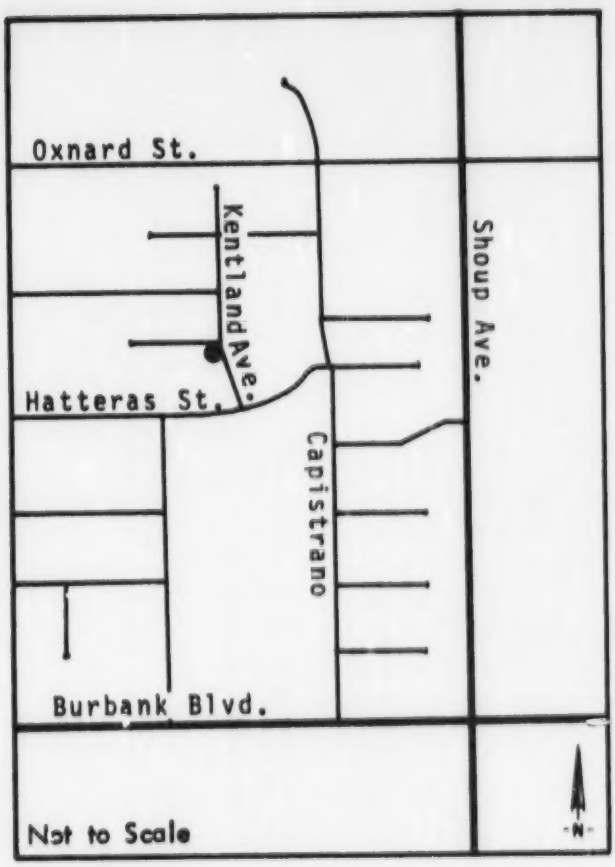
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	46.8	45.6	44.8	44.2	43.7	43.2	42.7	42.3	41.9	41.4
2	44.8	44.2	43.6	43.2	42.8	42.4	41.7	41.4	41.3	40.5
3	44.3	43.1	42.4	42.0	41.6	41.3	40.6	40.2	40.1	39.5
4	42.6	42.2	41.8	41.3	40.9	40.5	40.0	39.4	39.1	38.8
5	43.6	42.9	42.3	41.7	41.0	40.4	39.6	39.0	38.8	37.9
6	47.4	46.8	46.1	45.4	44.7	43.8	42.7	41.6	40.9	39.6
7	47.1	46.7	46.3	45.9	45.5	45.2	44.5	44.0	43.8	43.1
8	47.1	46.1	45.3	44.6	44.0	43.3	42.6	42.0	41.7	41.3
9	47.4	46.3	45.5	44.8	44.2	43.5	42.8	42.3	41.9	41.4
10	47.3	45.9	44.9	44.3	43.6	42.9	42.1	41.5	41.3	40.4
11	55.5	53.5	52.2	51.3	50.6	49.8	48.7	46.5	45.7	44.9
12	51.6	50.7	50.1	49.5	48.9	48.1	47.2	46.6	46.3	45.5
13	50.5	49.8	49.4	49.1	48.6	48.1	47.6	46.9	46.5	45.7
14	54.5	52.3	50.8	50.2	49.5	49.0	48.1	47.6	47.2	46.4
15	60.5	58.0	56.1	54.9	53.7	52.1	50.2	49.1	48.5	47.7
16	53.3	51.4	50.7	49.9	49.2	48.6	47.9	47.6	47.3	46.6
17	51.4	50.3	49.6	49.0	48.5	48.1	47.6	47.1	46.7	46.4
18	51.9	50.8	50.2	49.5	49.0	48.5	47.9	47.7	47.6	46.9
19	50.8	49.9	49.6	49.2	48.8	48.3	47.9	47.6	47.5	46.9
20	50.7	49.8	49.3	48.8	48.3	47.8	46.9	46.3	45.7	45.2
21	51.1	50.2	49.6	49.1	48.6	48.0	47.2	46.7	46.4	45.9
22	49.3	48.7	48.2	47.6	47.0	46.4	45.6	45.2	45.0	44.3
23	49.9	49.4	48.9	48.5	48.2	47.4	46.6	46.0	45.6	45.2
24	48.9	48.4	48.0	47.5	46.9	46.2	45.3	44.6	44.2	43.8

FIGURE B-56(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1604



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	102.5	76.3	0.	60.1
MIN	37.5	36.3	8.	60.7
NPL	76.0	58.0	10.	61.0
SIG	5.4	3.8	12.	61.5
LEQ	62.0	48.4		
TNI	65.6	44.7		
L1	69.2	59.1		
L3	64.1	52.7		
L5	61.5	50.9		
L10	57.6	49.5		
L20	53.7	48.2		
L30	51.3	47.2		
L40	50.1	46.2		
L50	49.4	45.2		
L60	48.8	44.1		
L70	48.0	43.1		
L80	47.0	42.2		
L90	45.0	41.1		
L95	43.5	40.3		
L97	42.8	40.0		
L99	41.9	39.1		

FIGURE B-56(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1604



L_{DN}:	58.6	dB
ρ:	5,200	people / sq. mi.

SITE: 1605

Address: 5811 Kentland
Woodland Hills, Ca.

Microphone Height: 1.5 m.

Distance to Curb: 7.3 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

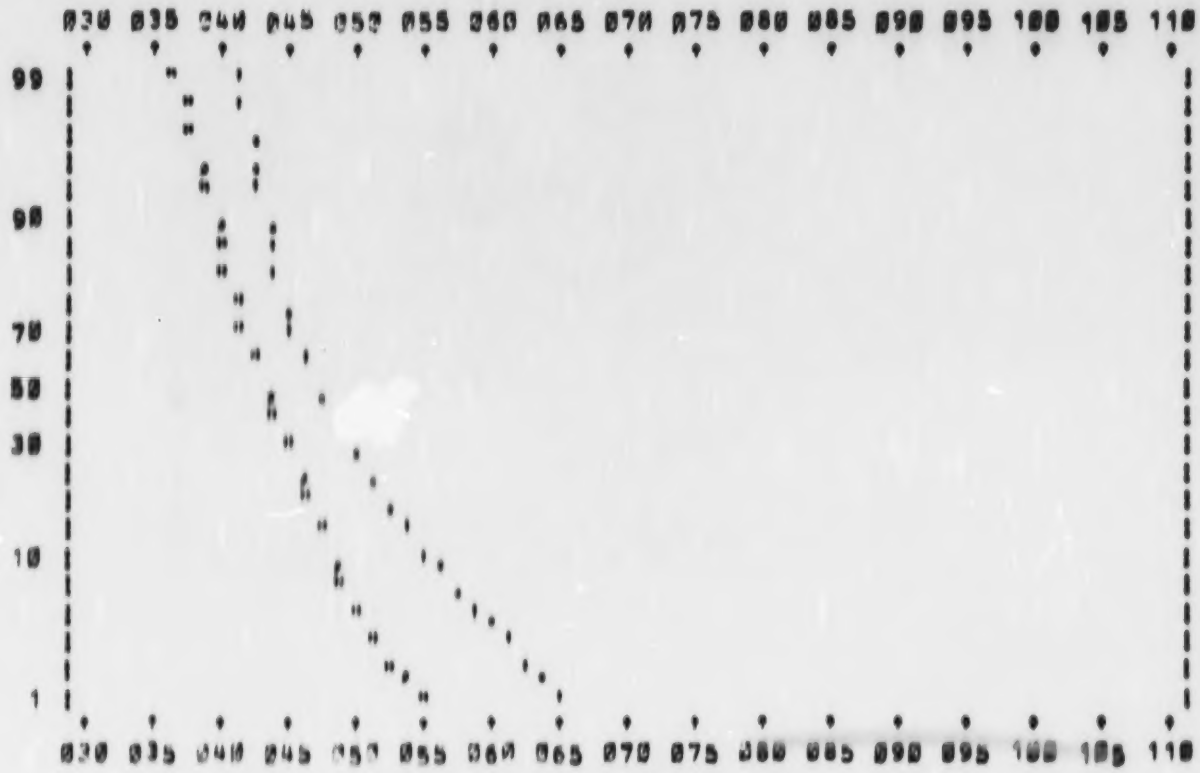
FIGURE B-57(a). DESCRIPTION OF LOS ANGELES SITE 1605

SITE # 1605

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L8	L10	L20
1	85.0	36.3	67.4	3.8	57.7	31.2	61.1	49.6	47.3	48.9	44.9
2	68.8	33.8	51.8	2.9	44.4	33.2	53.1	46.4	45.9	45.8	44.1
3	58.8	33.8	50.6	2.9	43.3	36.0	51.6	48.4	47.1	46.7	44.2
4	56.3	33.8	50.4	2.9	43.1	37.9	49.8	47.9	47.1	45.8	44.4
5	72.5	32.5	53.6	3.8	43.9	44.6	53.0	50.4	48.8	48.7	46.8
6	66.3	35.0	55.8	3.3	47.4	42.9	55.7	51.9	50.8	49.8	48.8
7	70.0	41.3	56.6	2.7	49.6	37.4	50.6	53.9	52.2	50.6	49.3
8	70.0	40.0	59.8	3.8	50.2	46.7	61.6	57.9	54.9	51.8	49.2
9	71.3	40.0	62.5	4.5	50.9	56.4	62.8	58.6	56.9	53.6	49.8
10	76.3	38.8	63.5	4.7	51.5	56.7	62.4	58.8	56.8	53.3	50.1
11	90.0	38.8	76.1	6.5	59.6	76.8	71.5	65.5	63.1	59.4	55.3
12	87.5	38.8	85.7	8.2	64.6	90.8	77.7	71.5	67.2	61.8	54.1
13	83.8	37.5	68.9	5.6	54.4	68.1	65.1	60.7	59.8	56.3	53.8
14	81.3	40.0	69.7	5.5	55.6	67.6	66.0	62.4	60.4	57.2	52.2
15	76.3	38.8	64.5	4.9	52.0	59.4	63.0	59.3	57.3	54.8	50.2
16	81.3	40.0	68.8	5.0	55.9	57.8	66.4	61.8	58.8	54.8	50.9
17	72.5	41.3	61.8	3.6	52.7	50.9	60.8	57.2	56.8	54.8	53.5
18	83.8	42.5	65.9	4.4	54.6	59.0	64.9	61.2	59.5	56.8	53.3
19	83.8	41.3	69.7	5.1	56.5	59.5	67.6	62.6	60.7	58.8	51.5
20	77.5	38.8	64.9	4.9	52.3	60.7	63.5	60.5	58.4	54.9	51.3
21	76.3	41.3	63.8	4.5	52.2	59.4	62.2	59.3	57.9	55.4	52.2
22	72.5	42.0	63.7	4.4	52.4	56.0	63.9	60.3	58.2	54.6	51.2
23	81.3	42.0	62.1	3.6	52.9	42.1	62.3	55.4	53.5	51.1	48.7
24	68.8	37.5	53.4	2.9	45.9	34.3	55.4	50.3	48.1	46.6	45.3

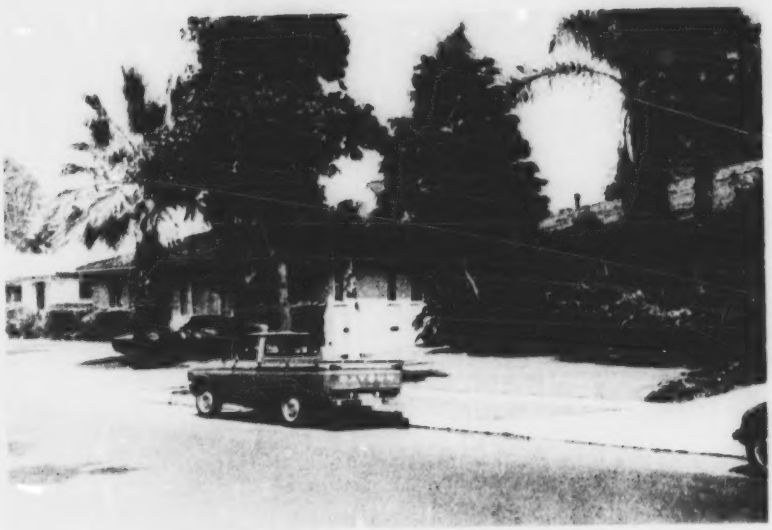
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	44.3	43.7	43.3	42.8	42.3	41.7	40.8	40.2	39.7	38.9
2	43.2	42.4	41.7	41.0	40.4	39.7	38.9	38.2	37.8	37.3
3	43.2	42.4	41.7	41.3	40.4	39.7	38.9	38.2	37.8	37.8
4	43.4	42.5	41.7	41.0	40.3	39.8	38.8	37.8	37.4	36.5
5	43.2	42.0	41.1	40.3	39.5	38.6	37.4	36.3	35.7	35.0
6	47.0	46.1	45.4	44.7	44.0	43.0	41.7	40.5	39.8	38.8
7	48.5	47.9	47.4	46.9	46.4	45.7	45.1	44.4	44.1	43.8
8	47.8	46.9	46.4	45.8	45.3	44.6	43.5	42.8	42.6	41.8
9	48.0	46.8	45.8	44.9	44.2	43.5	42.7	42.1	41.8	41.4
10	49.8	47.7	46.6	45.3	44.1	43.1	42.2	41.6	41.4	40.8
11	52.7	50.3	48.4	47.2	46.1	45.1	43.9	43.0	42.7	41.8
12	50.5	48.2	46.7	45.5	44.3	43.2	42.1	41.4	41.0	40.3
13	50.7	48.7	47.1	45.7	44.5	43.4	42.3	41.5	41.1	40.8
14	49.5	47.9	46.8	45.9	45.2	44.5	43.7	42.9	42.6	41.7
15	48.2	46.5	45.6	44.8	44.1	43.3	42.2	41.3	40.8	40.2
16	49.2	48.0	47.3	46.2	45.4	44.6	43.8	43.1	42.7	42.1
17	52.6	51.9	51.1	50.0	48.5	47.3	46.1	45.3	45.0	44.0
18	51.2	50.0	49.2	48.4	47.7	46.9	46.1	45.4	45.1	44.1
19	50.1	49.0	48.1	47.3	46.4	45.3	44.2	43.4	43.0	42.6
20	49.3	47.5	46.4	45.6	44.7	43.9	42.9	42.3	41.8	41.4
21	49.9	48.3	47.2	46.4	45.6	44.9	44.0	43.5	43.0	42.6
22	49.6	48.0	47.9	47.1	46.2	45.2	44.1	43.4	43.0	42.6
23	47.7	47.1	46.5	46.0	45.5	45.0	44.1	43.7	43.1	42.6
24	44.4	43.7	43.1	42.5	42.0	41.5	40.7	40.2	40.0	39.2

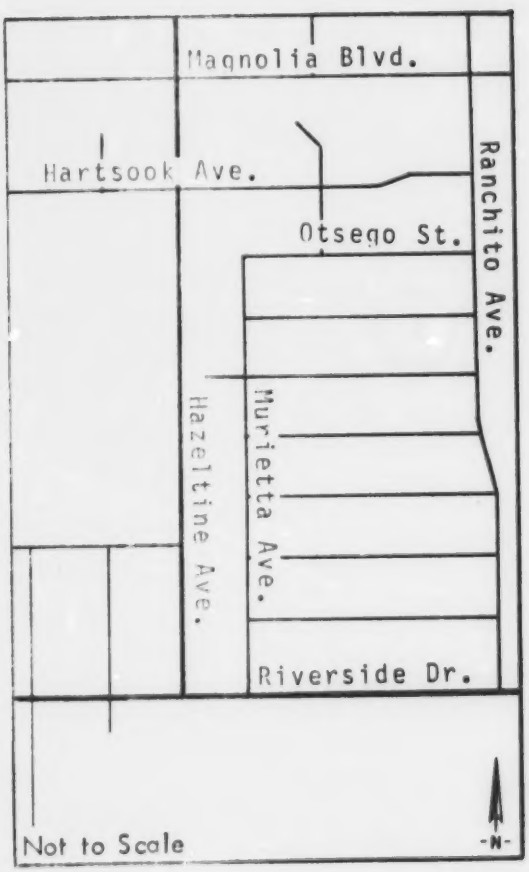
FIGURE 8-57(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1605



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	93.0	85.0	0.	55.1
MIN	37.5	32.5	8.	57.5
NPL	73.1	60.7	10.	58.6
SIG	5.3	3.9	12.	59.9
LEQ	56.5	50.7		
TNI	62.8	45.5		
L1	66.3	55.9		
L3	61.4	51.6		
L5	59.1	50.2		
L10	55.6	48.5		
L20	52.1	46.8		
L30	49.9	45.6		
L40	48.4	44.6		
L50	47.3	43.7		
L60	46.3	42.7		
L70	45.4	41.8		
L80	44.4	40.8		
L90	43.2	39.5		
L95	42.5	38.5		
L97	41.9	37.9		
L99	41.3	36.7		

FIGURE B-57(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1605





L_{DN}:	59.2	dB
ρ:	7,700	people / sq.mi.

SITE: 1606

Address: 14017 Hartsook
Van Nuys, CA

Microphone Height: 1.5 m.

Distance to Curb: 4.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

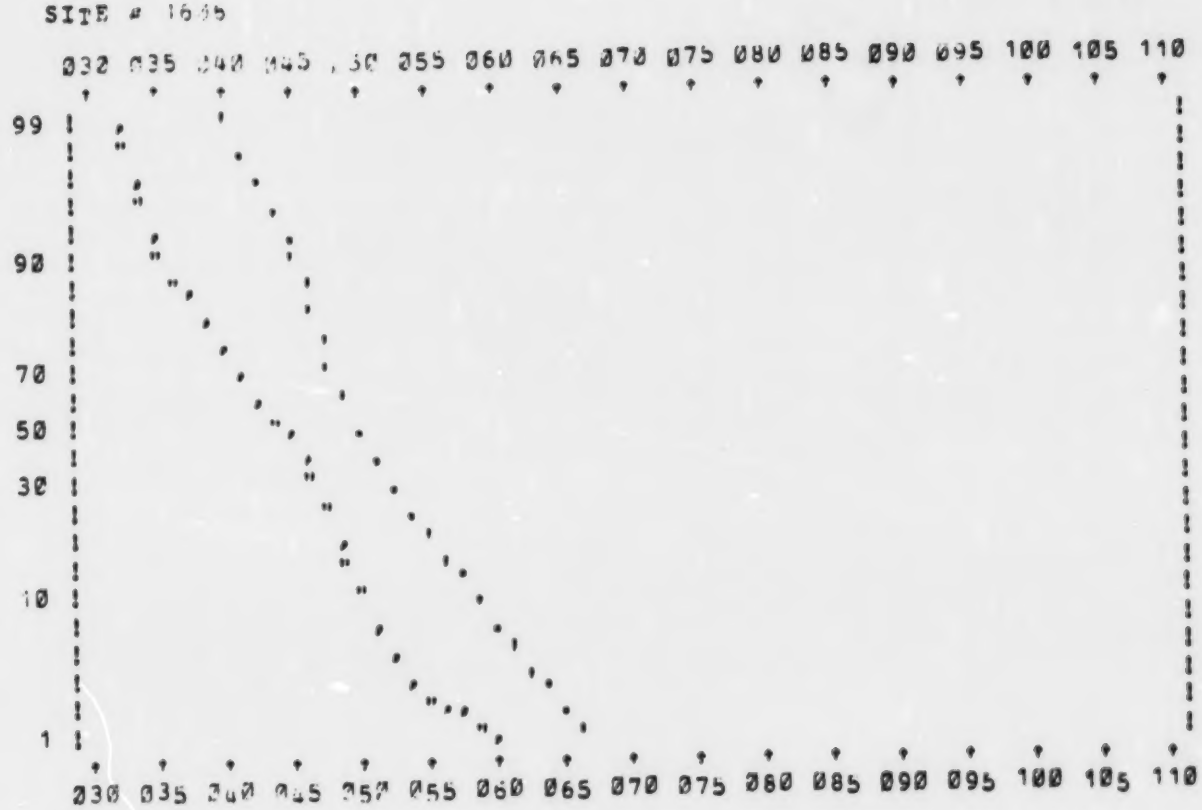
FIGURE B-58(a). DESCRIPTION OF LOS ANGELES SITE 1606

SITE # 1606

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	41.3	61.3	3.7	51.8	43.9	63.8	58.9	56.1	52.2	50.2
2	65.0	40.0	55.6	2.8	48.3	40.9	56.0	52.6	51.8	50.5	49.0
3	62.5	31.3	60.5	5.3	46.9	62.9	56.1	53.6	52.4	50.8	48.4
4	66.3	30.0	51.7	4.1	41.3	45.1	49.7	47.5	46.4	44.2	41.5
5	73.8	30.0	49.9	3.4	41.2	33.6	45.8	43.2	41.8	40.2	38.3
6	65.0	31.3	51.4	3.2	43.1	38.6	49.5	47.4	46.3	45.0	43.4
7	82.5	36.3	68.0	5.0	55.1	44.4	64.5	58.0	53.3	48.1	44.7
8	86.3	36.3	78.8	7.4	59.9	79.3	72.8	65.5	62.4	57.0	49.7
9	86.3	38.8	78.1	6.6	61.2	81.3	72.1	66.2	63.7	61.0	58.3
10	87.5	38.8	75.9	6.1	60.4	73.0	69.6	64.1	62.0	59.1	56.0
11	77.5	41.3	70.1	5.7	55.6	70.6	67.3	63.2	61.3	58.3	54.1
12	85.0	41.3	73.5	6.1	58.0	73.6	68.0	63.2	61.4	59.5	57.5
13	96.3	42.5	75.0	5.5	60.9	69.1	66.2	63.0	61.4	59.0	56.8
14	90.0	43.8	73.0	4.9	60.4	62.2	67.5	63.3	61.1	58.5	55.5
15	76.3	42.5	68.9	5.0	56.0	64.3	67.2	63.5	61.5	58.6	56.1
16	83.8	43.8	70.5	4.7	58.4	58.9	69.3	63.5	61.2	58.0	53.7
17	75.0	45.0	65.2	4.1	54.7	54.9	66.0	62.4	60.5	57.0	52.7
18	76.3	43.8	67.6	4.7	55.5	62.4	67.1	63.6	61.5	58.0	53.6
19	81.3	45.0	67.3	4.2	56.6	58.1	66.9	63.2	61.5	58.7	55.7
20	81.3	45.0	63.6	3.6	54.3	44.6	64.6	61.0	58.9	54.4	51.6
21	76.3	42.5	62.6	3.8	52.9	48.5	64.7	60.2	57.6	54.1	50.9
22	73.8	43.8	59.0	3.0	51.3	43.6	60.6	57.2	55.0	53.4	51.6
23	78.8	41.3	59.3	3.1	51.4	37.0	63.2	54.2	52.1	50.7	49.4
24	76.3	40.0	64.0	4.0	53.8	45.4	65.9	57.2	54.5	52.4	50.7

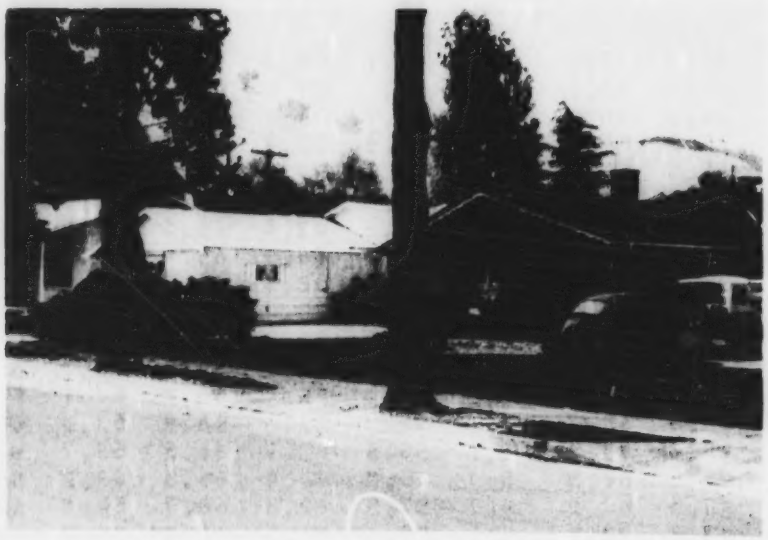
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	49.3	48.6	48.0	47.3	46.7	46.0	45.0	44.2	43.9	43.1
2	48.0	47.3	46.6	46.0	45.3	44.6	43.8	43.0	42.7	42.0
3	46.3	44.3	42.7	41.2	40.0	38.7	36.8	35.1	34.4	33.6
4	40.1	39.1	38.0	36.9	35.9	34.9	33.9	33.2	32.8	32.2
5	37.1	36.2	35.4	34.6	33.9	33.2	32.3	31.6	31.3	30.4
6	42.3	41.4	40.7	39.9	39.1	38.2	37.1	36.4	35.7	34.6
7	43.3	42.4	41.8	41.2	40.6	40.1	39.3	39.0	38.8	38.0
8	47.0	45.2	43.8	42.7	41.7	40.7	39.6	38.9	38.4	37.7
9	56.7	55.3	54.1	52.7	50.5	47.3	44.3	42.7	41.8	40.6
10	54.1	52.6	51.0	49.2	47.4	46.0	44.4	43.3	42.6	41.4
11	51.4	49.3	47.9	46.7	45.8	45.1	44.1	43.6	43.1	42.7
12	54.4	51.3	49.2	47.8	46.7	45.7	44.8	44.1	43.8	43.0
13	55.1	53.0	50.3	49.0	47.9	46.8	45.7	45.1	44.5	43.9
14	53.1	51.5	50.3	49.5	48.7	48.0	47.2	46.7	46.4	45.8
15	53.7	51.3	50.0	49.2	48.4	47.7	46.7	45.9	45.4	44.6
16	51.9	50.9	50.1	49.6	49.0	48.4	47.6	46.9	46.6	46.0
17	51.2	50.4	49.8	49.3	48.8	48.2	47.7	47.1	46.7	46.4
18	51.7	50.6	49.7	49.0	48.3	47.6	46.6	45.9	45.5	45.1
19	53.9	52.7	51.8	51.1	50.4	49.8	48.9	48.2	47.8	47.5
20	50.7	50.0	49.5	49.1	48.7	48.2	47.7	47.1	46.8	46.4
21	49.8	49.2	48.6	48.1	47.6	46.9	46.0	45.4	45.1	44.3
22	50.3	49.5	48.9	48.4	47.9	47.4	46.6	46.2	45.7	45.2
23	48.6	48.1	47.6	47.1	46.6	46.0	45.2	44.5	44.1	43.3
24	49.5	48.6	47.8	47.2	46.5	45.7	44.7	44.0	43.5	42.7

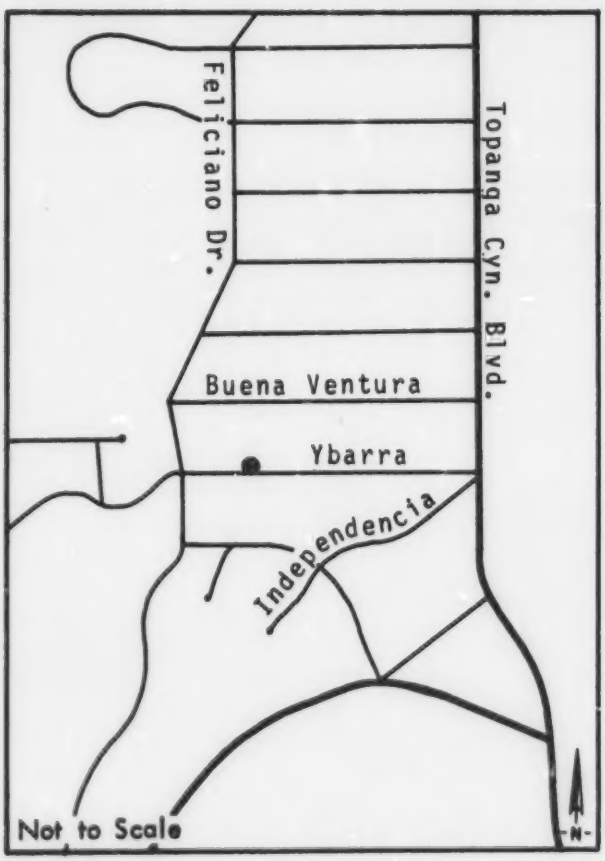
FIGURE B-58(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1606



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	96.3	82.5	0.	56.5
MIN	36.3	30.0	8.	58.3
NPL	72.0	65.6	10.	59.2
SIG	5.4	5.9	12.	60.3
LEQ	58.1	50.5		
TNI	66.9	63.8		
L1	67.4	60.6		
L3	63.2	53.7		
L5	61.1	52.0		
L10	58.3	50.2		
L20	54.9	48.4		
L30	52.4	47.1		
L40	50.8	45.9		
L50	49.8	44.4		
L60	48.9	42.4		
L70	46.1	40.4		
L80	47.1	38.5		
L90	45.5	35.6		
L95	43.8	34.0		
L97	42.3	33.2		
L99	40.1	32.0		

FIGURE B-58(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1606





L_{DN}:	58.9	dB
ρ:	4,900	people / sq.mi.

SITE: 1607

Address: 22133 Yberra
Woodland Hills, Ca.

Microphone Height: 1.5 m.

Distance to Curb: 4.5 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

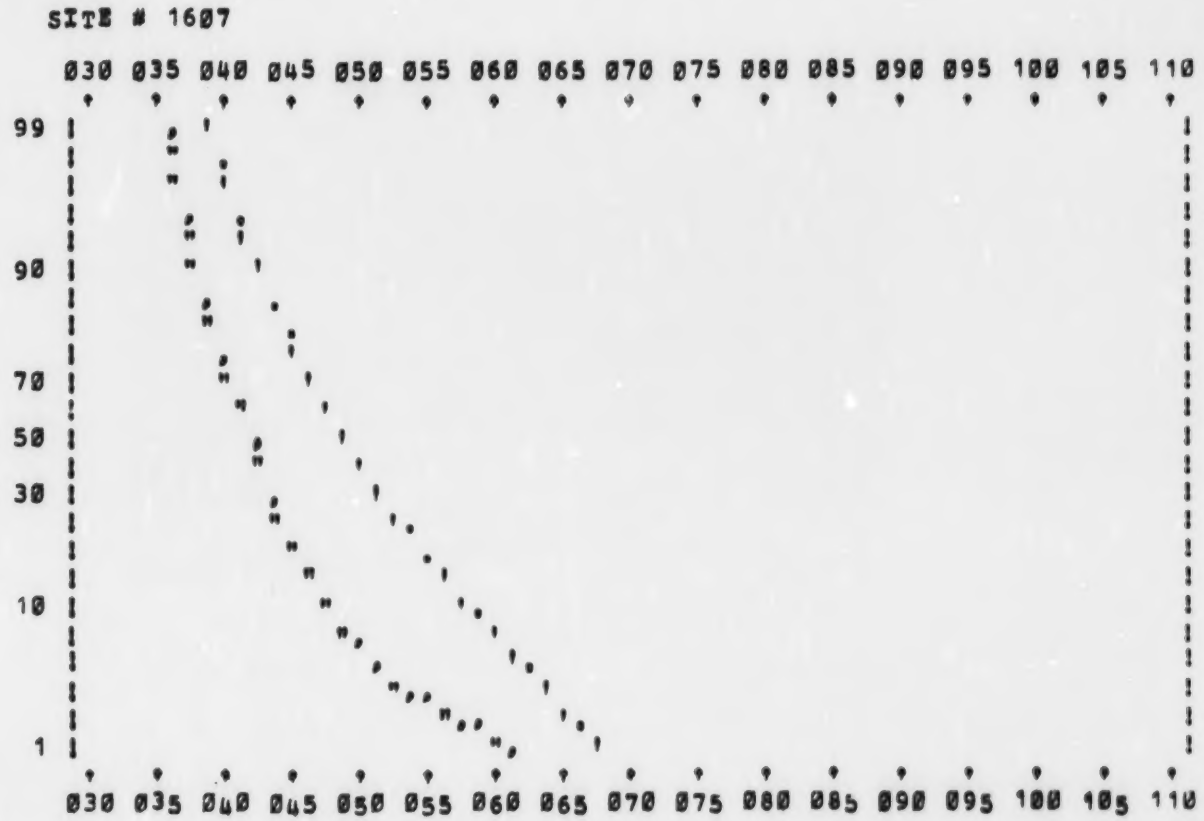
FIGURE B-59(a). DESCRIPTION OF LOS ANGELES SITE 1607

SITE # 1607

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	75.0	40.0	57.7	3.2	49.5	28.9	61.8	51.2	48.5	46.1	44.8
2	67.5	37.5	47.5	1.8	42.9	21.6	48.3	44.9	43.7	43.0	42.3
3	85.0	36.3	65.4	4.2	54.8	31.4	60.1	52.2	48.9	44.7	42.5
4	78.8	35.0	54.0	2.9	46.6	22.9	52.3	44.8	42.7	41.2	40.3
5	81.3	32.5	54.9	3.2	46.7	29.5	51.8	45.0	43.7	42.3	40.8
6	85.0	32.5	62.7	4.7	50.7	42.4	61.2	52.3	50.8	45.6	42.8
7	80.0	38.8	63.9	4.4	52.5	42.6	65.0	58.5	54.2	49.5	46.5
8	78.8	36.3	69.8	6.2	54.0	66.9	66.9	62.1	59.0	54.1	48.2
9	80.0	36.3	78.4	8.1	57.7	90.0	69.9	66.5	63.5	59.9	56.5
10	82.5	36.3	72.2	6.3	56.1	73.7	67.0	63.3	61.2	57.3	54.2
11	87.5	36.3	76.4	7.2	57.9	85.3	70.8	65.8	63.4	59.8	55.5
12	85.0	36.3	71.6	6.1	55.9	73.3	66.9	62.8	60.4	57.0	52.9
13	81.3	37.5	72.2	6.2	56.2	75.5	68.0	64.1	62.1	58.4	54.2
14	81.3	40.0	68.7	5.2	55.5	63.4	66.9	63.0	60.8	56.9	53.2
15	80.0	40.0	73.2	6.5	56.6	80.9	66.5	63.7	62.4	60.6	57.9
16	75.0	42.5	68.0	5.1	55.0	65.0	66.5	63.2	61.2	57.7	54.3
17	83.8	43.8	69.6	4.7	57.5	62.5	68.3	64.1	62.3	58.8	55.3
18	82.5	43.8	70.7	4.9	58.1	66.6	68.4	65.0	63.1	60.1	56.1
19	86.3	41.3	70.5	5.3	56.9	65.3	67.7	62.9	60.8	57.5	52.8
20	91.3	38.8	75.1	6.2	59.2	74.4	68.5	64.5	62.2	58.7	54.8
21	83.8	41.3	71.9	5.4	58.1	69.0	69.2	65.5	63.5	59.9	55.4
22	72.5	42.5	63.0	3.9	52.9	48.6	64.2	61.2	58.8	54.4	50.6
23	82.5	41.3	64.6	4.2	53.8	47.6	63.9	59.6	56.6	52.3	49.8
24	75.0	40.0	59.9	3.9	49.8	37.4	62.2	57.5	53.6	48.6	45.7

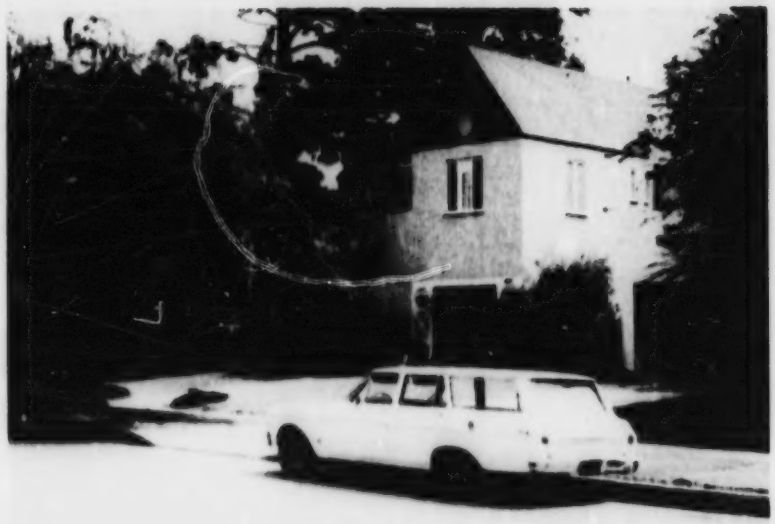
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	44.2	43.7	43.4	43.1	42.8	42.5	41.9	41.5	41.4	41.3
2	42.0	41.6	41.3	41.0	40.7	40.4	40.1	39.7	39.3	38.9
3	41.8	41.2	40.8	40.5	40.2	39.7	39.2	38.9	38.8	37.9
4	39.7	39.3	38.9	38.5	38.2	37.8	37.3	36.8	36.5	36.3
5	39.9	39.3	38.7	38.3	37.8	37.2	36.5	35.9	35.5	35.0
6	41.5	40.6	39.8	39.1	38.4	37.6	36.6	36.0	35.5	35.0
7	45.5	44.8	44.3	43.7	43.2	42.6	41.8	41.3	40.7	40.2
8	45.5	44.0	43.0	42.2	41.5	40.7	39.8	39.1	38.8	37.9
9	52.1	48.5	45.9	43.9	42.3	41.1	39.8	39.0	38.7	37.9
10	52.7	51.3	49.8	47.7	45.3	43.5	41.8	40.6	40.0	39.0
11	52.6	50.5	48.6	46.8	45.0	43.2	41.3	40.2	39.5	38.8
12	50.5	48.7	47.3	45.9	44.6	43.2	41.6	40.5	39.9	38.8
13	51.5	49.7	48.2	46.8	45.5	44.2	42.6	41.6	41.2	40.2
14	51.2	49.9	48.7	47.7	46.8	45.8	44.7	43.9	43.4	42.7
15	54.4	51.0	49.0	47.4	46.1	44.9	43.8	43.1	42.8	42.1
16	52.1	50.5	49.3	48.2	47.2	46.3	45.3	44.6	44.2	43.8
17	53.4	52.2	51.2	50.3	49.5	48.6	47.6	46.8	46.4	45.6
18	53.7	52.5	51.6	50.8	50.0	49.1	48.0	47.1	46.6	45.8
19	50.2	48.8	47.9	47.1	46.3	45.6	44.9	44.2	43.9	43.1
20	52.2	50.2	48.5	47.1	45.8	44.7	43.4	42.7	42.2	41.4
21	53.4	52.0	50.8	49.7	48.8	48.0	46.9	45.9	45.3	44.2
22	49.3	48.6	48.1	47.7	47.2	46.7	46.3	45.6	45.3	45.1
23	48.5	47.7	47.0	46.3	45.5	44.7	43.9	43.2	42.9	42.5
24	44.7	44.3	43.8	43.4	43.1	42.8	42.3	41.7	41.5	41.3

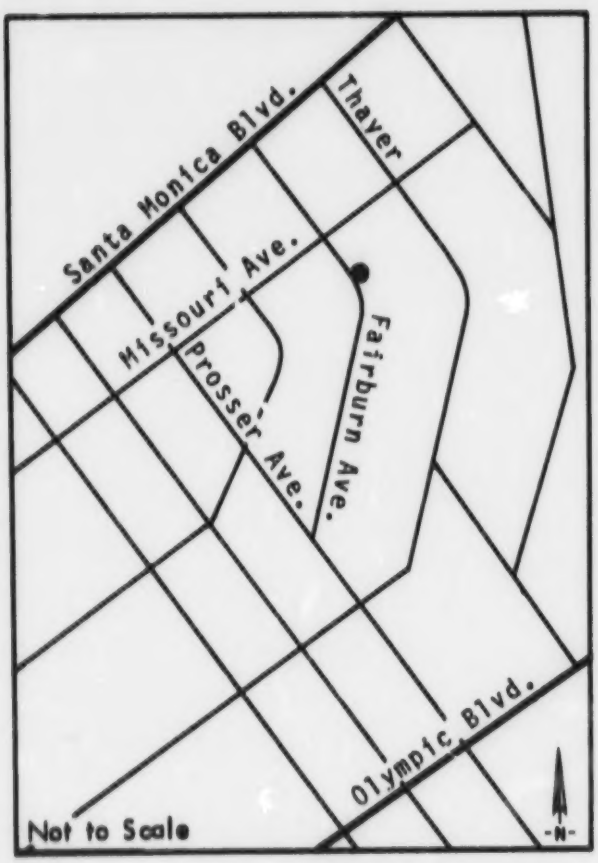
FIGURE B-59(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1607



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	91.3	85.0	0.	55.4
MIN	36.3	32.5	8.	57.8
NPL	72.6	62.8	10.	58.9
SIG	6.2	4.6	12.	60.2
LEQ	56.8	51.0		
TNI	75.7	46.6		
L1	68.1	61.6		
L3	63.9	53.6		
L5	61.9	50.8		
L10	58.5	47.7		
L20	54.3	45.0		
L30	52.0	43.9		
L40	50.3	43.0		
L50	48.9	42.2		
L60	47.6	41.3		
L70	46.4	40.4		
L80	44.9	39.3		
L90	42.7	38.1		
L95	41.2	37.2		
L97	40.3	36.7		
L99	39.1	35.8		

FIGURE B-59(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1607





L_{DN}:	55.8	dB
ρ:	7,500	people / sq.mi.

SITE: 1608

Address: 2018 Fairburn
Los Angeles, Ca.

Microphone Height: 1.5 m.

Distance to Curb: 10.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-60(a). DESCRIPTION OF LOS ANGELES SITE 1608

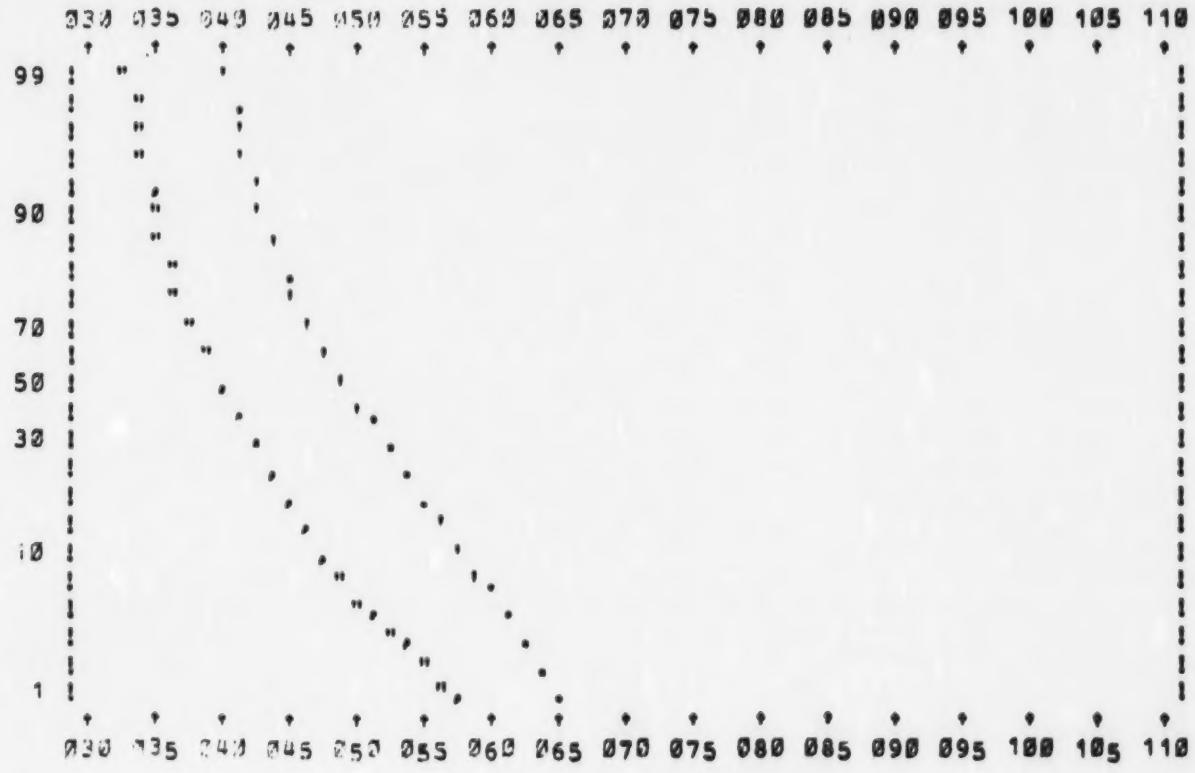
SITE # 1608

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	33.8	61.0	5.3	47.4	58.2	59.1	54.6	52.4	49.7	46.6
2	61.3	31.3	56.7	5.1	43.6	55.1	54.7	51.0	49.5	47.0	43.8
3	60.0	31.3	56.2	5.1	43.2	50.7	55.5	51.9	48.7	45.6	42.3
4	63.8	31.3	52.4	4.0	42.1	37.4	54.9	47.2	45.0	42.5	40.1
5	65.0	32.5	51.6	3.7	42.2	33.0	54.6	48.7	45.5	42.2	39.8
6	73.8	33.8	53.8	3.7	44.4	34.8	53.3	49.0	47.1	43.6	40.7
7	70.0	36.3	56.4	3.6	47.1	41.2	57.8	51.2	49.6	47.6	45.8
8	75.0	36.3	65.7	5.6	51.5	61.9	63.3	60.5	58.2	53.0	47.7
9	75.0	38.8	70.7	6.3	54.6	75.8	66.1	62.6	60.9	57.9	53.9
10	76.3	40.0	69.8	5.9	54.8	75.3	64.7	62.4	61.1	59.0	55.3
11	92.5	42.5	73.9	5.1	60.7	70.0	67.5	64.5	62.9	60.4	57.8
12	75.0	42.5	66.8	4.5	55.4	63.6	64.6	62.2	60.8	58.6	56.0
13	71.3	43.8	67.9	4.6	56.0	66.5	65.5	63.5	62.0	59.5	56.7
14	82.5	43.8	69.5	4.7	57.6	65.9	67.4	63.7	62.4	60.0	56.6
15	78.8	45.0	67.2	4.5	55.7	62.7	65.5	62.8	61.2	58.9	56.1
16	75.0	43.8	65.1	4.1	54.6	58.4	64.2	61.3	60.0	57.6	54.8
17	90.0	43.8	68.8	4.9	56.1	65.1	66.5	63.1	61.3	58.7	55.3
18	72.5	42.5	69.1	5.1	56.0	68.7	67.1	64.2	62.5	59.7	55.9
19	77.5	41.3	66.1	4.9	53.6	63.2	64.7	61.9	59.9	56.8	52.9
20	90.0	40.0	66.8	3.9	56.9	43.0	61.3	57.3	54.7	50.9	47.9
21	86.3	40.0	65.6	4.7	53.6	51.6	64.5	59.5	56.7	52.4	48.5
22	71.3	38.8	56.1	3.5	47.1	40.1	57.7	54.1	52.3	48.4	45.9
23	73.8	36.3	59.6	4.4	48.3	47.0	59.7	55.4	52.9	48.8	45.1
24	71.3	36.3	62.7	5.1	49.6	58.3	61.2	58.2	55.6	51.8	48.3

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	44.6	42.9	41.2	39.7	38.5	37.7	36.8	36.4	36.1	35.4
2	42.0	40.3	38.2	36.6	35.7	35.0	34.2	33.8	33.5	32.8
3	39.8	37.7	36.2	35.6	35.0	34.4	33.9	33.3	32.9	32.6
4	38.6	37.5	36.5	35.9	35.4	34.8	34.2	33.9	33.8	32.9
5	38.5	37.8	37.3	36.8	36.4	35.9	35.3	35.0	34.5	33.9
6	39.6	38.8	38.3	37.9	37.5	37.0	36.5	36.3	35.9	35.3
7	44.7	44.0	43.2	42.4	41.6	40.7	39.7	39.0	38.7	37.8
8	45.5	44.2	43.2	42.3	41.6	40.8	40.0	39.3	39.0	38.2
9	50.8	48.1	46.1	44.9	44.0	43.0	41.9	41.4	41.0	40.2
10	52.3	49.8	48.1	46.8	45.7	44.7	43.5	42.7	42.2	41.5
11	56.1	54.8	53.9	52.9	51.7	49.6	47.2	45.8	45.2	44.2
12	54.3	53.0	52.2	51.0	50.1	48.9	46.9	45.8	45.3	44.5
13	54.9	53.7	52.6	51.6	50.5	49.0	47.1	46.3	45.7	45.2
14	54.8	53.6	52.5	51.6	50.6	49.5	48.1	47.1	46.6	45.8
15	54.2	52.8	51.6	50.5	49.5	48.6	47.6	46.9	46.6	46.3
16	53.1	52.0	51.0	50.2	49.3	48.3	47.3	46.6	46.4	45.6
17	52.9	51.3	50.0	48.9	48.1	47.3	46.5	46.0	45.6	45.1
18	53.2	51.5	50.3	49.3	48.4	47.6	46.7	46.1	45.6	45.1
19	50.5	49.1	48.1	47.2	46.5	45.6	44.6	43.9	43.5	42.8
20	46.7	46.0	45.4	44.9	44.5	44.1	43.5	42.9	42.7	42.3
21	46.9	45.8	45.0	44.4	43.9	43.3	42.7	42.2	41.8	41.4
22	44.8	44.2	43.6	43.0	42.5	41.9	41.2	40.5	40.3	40.0
23	43.4	42.4	41.8	41.2	40.7	40.1	39.3	38.9	38.8	37.9
24	46.2	44.5	43.3	42.2	41.3	40.5	39.6	39.1	38.9	38.5

FIGURE B-60(b). HOURLY NOISE DATA FOR LOS ANGELES SITE 1608

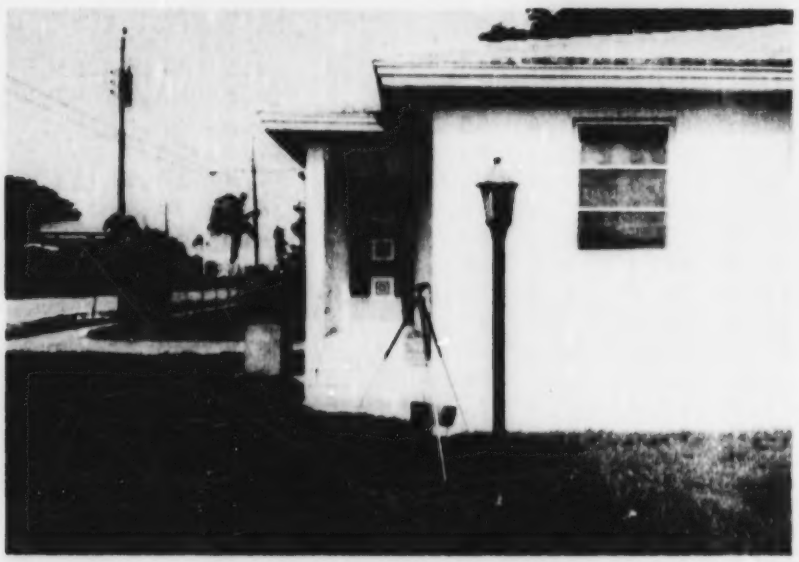
SITE # 1608

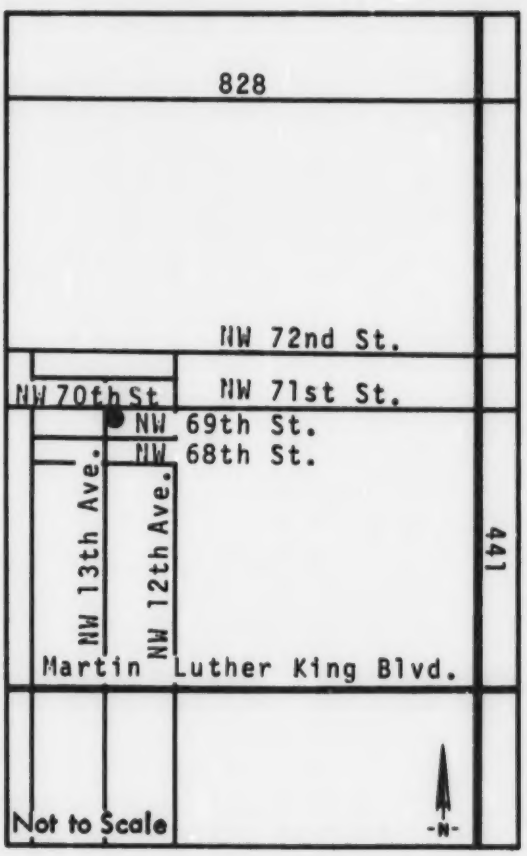


CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	92.5	73.8	0.	53.8
MIN	36.3	31.3	8.	55.1
NPL	70.3	59.3	10.	55.8
SIG	5.7	5.1	12.	56.7
LEQ	55.5	46.1		
TNI	72.3	54.2		
L1	65.3	57.8		
L3	62.3	53.0		
L5	60.7	50.6		
L10	57.9	47.4		
L20	54.6	44.4		
L30	52.5	42.6		
L40	50.8	41.2		
L50	49.1	40.0		
L60	47.7	38.7		
L70	46.3	37.5		
L80	44.9	36.4		
L90	43.1	35.2		
L95	41.9	34.4		
L97	41.3	34.0		
L99	40.2	33.2		

FIGURE B-60(c). DAY/NIGHT NOISE DATA FOR LOS ANGELES SITE 1608





L_{DN}:	66.1	dB
ρ:	21,300	people / sq. mi.

SITE: 0601

Address: 6969 NW 13th Ave.
Miami, FL

Microphone Height: 1.5 m.

Distance to Curb: 10.8 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-61(a). DESCRIPTION OF MIAMI SITE 0601

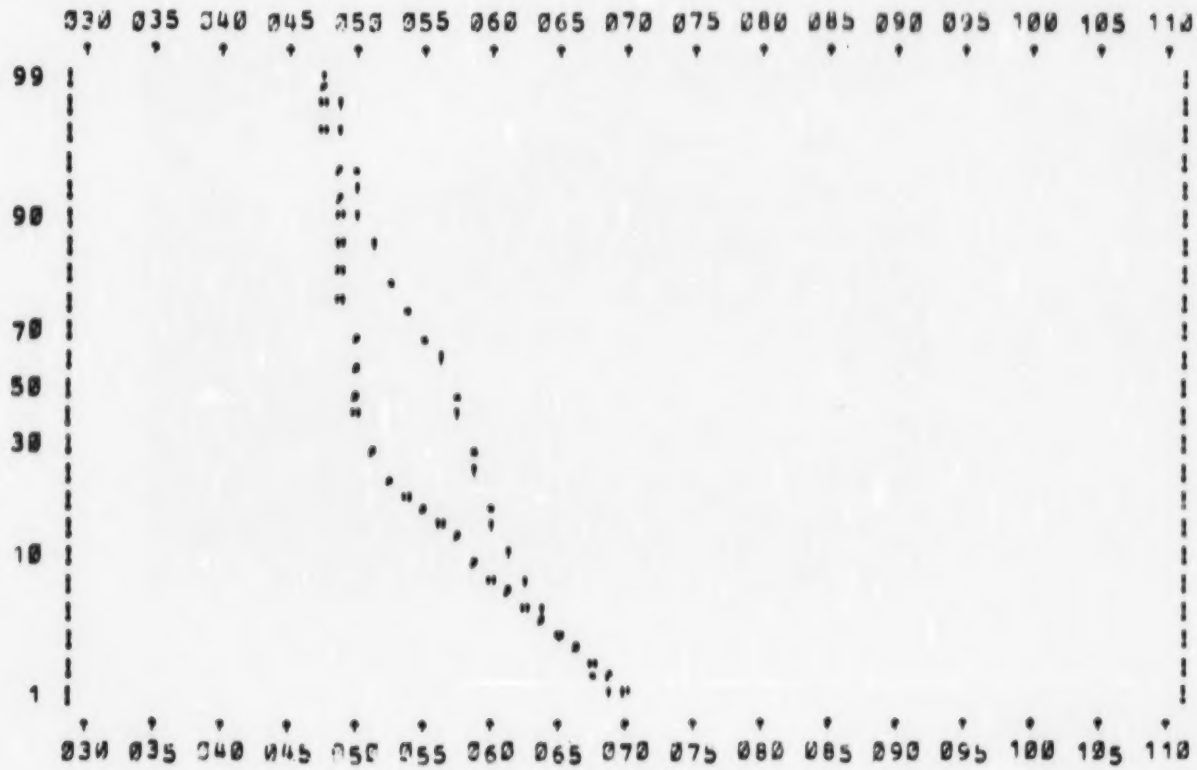
SITE # 601

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	47.5	67.3	4.2	56.5	54.3	69.5	64.6	61.5	56.8	52.5
2	77.5	47.5	55.7	1.8	51.2	28.0	58.0	53.7	52.4	51.1	50.4
3	78.8	47.5	63.9	3.4	55.3	36.8	68.0	60.1	57.1	53.4	51.2
4	73.8	47.5	61.2	3.1	53.2	37.1	64.6	60.7	57.8	53.4	50.9
5	90.0	46.3	54.8	1.4	51.3	26.7	54.7	51.9	51.1	50.2	49.8
6	91.3	42.5	85.5	7.6	66.1	89.7	78.6	74.9	70.7	66.3	62.6
7	85.3	42.5	77.4	6.3	62.3	72.9	74.6	68.5	65.9	61.5	56.4
8	78.8	47.5	68.3	4.3	58.2	56.7	69.1	65.7	63.6	60.2	57.2
9	83.8	43.8	72.9	5.2	59.5	68.1	70.3	65.8	64.0	61.1	57.2
10	83.8	46.3	69.6	4.6	57.9	63.3	68.5	65.3	63.5	60.3	56.5
11	83.8	47.5	71.0	4.6	59.3	62.5	70.5	65.7	63.7	60.6	56.6
12	81.3	51.3	66.7	2.6	59.9	47.3	68.8	65.1	63.4	61.1	59.7
13	83.8	56.3	70.4	2.9	62.9	49.8	73.7	68.3	66.1	63.5	61.6
14	80.0	52.5	66.6	1.9	60.2	41.9	66.9	63.7	62.6	61.2	60.2
15	88.8	55.0	72.3	3.4	63.6	49.6	75.9	68.9	65.7	62.8	60.9
16	80.0	55.0	66.9	2.5	60.6	46.3	69.6	65.8	64.2	62.1	60.3
17	78.8	55.0	65.2	2.2	59.6	41.2	68.3	64.3	62.5	60.3	58.7
18	83.8	52.5	68.6	3.0	60.9	47.2	72.0	65.7	63.7	61.2	59.3
19	73.8	48.8	67.1	3.9	57.0	58.7	67.0	64.8	63.2	60.1	57.0
20	82.5	47.5	71.1	4.6	59.3	65.2	70.6	66.7	64.7	61.8	58.7
21	83.8	43.8	70.3	4.7	58.9	66.3	67.7	64.8	63.3	60.8	58.4
22	76.3	47.5	68.7	4.4	57.4	61.5	68.3	64.5	62.7	60.0	57.3
23	88.8	46.3	73.8	5.1	59.8	67.2	71.9	66.4	64.4	61.3	57.4
24	87.5	47.5	63.2	3.1	55.2	42.0	64.4	60.6	58.2	54.8	52.3

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	51.1	50.5	50.0	49.7	49.5	49.2	48.9	48.8	48.7	47.9
2	49.9	49.8	49.6	49.4	49.2	49.0	48.8	48.7	48.2	47.7
3	50.5	50.0	49.7	49.5	49.3	49.1	48.9	48.7	48.2	47.7
4	50.0	49.8	49.6	49.4	49.2	49.0	48.8	48.4	48.0	47.7
5	49.6	49.4	49.2	49.0	48.8	48.5	48.0	47.7	47.6	47.5
6	60.3	58.5	57.1	52.4	50.4	49.4	48.6	47.8	47.5	44.5
7	53.8	52.2	51.1	50.4	49.7	48.9	47.7	46.4	45.7	44.8
8	55.7	54.8	54.0	53.4	52.8	52.1	51.4	50.6	50.2	49.3
9	54.7	53.1	51.9	51.2	50.3	49.5	48.7	47.6	46.8	45.6
10	54.7	53.4	52.4	51.6	50.8	50.1	49.2	48.8	48.4	47.8
11	54.6	53.6	53.0	52.3	51.6	50.8	50.0	49.3	49.1	48.8
12	59.2	58.7	58.3	57.9	57.5	56.8	55.7	54.8	54.3	53.8
13	60.7	60.0	59.7	59.3	59.0	58.6	58.1	57.8	57.7	57.6
14	59.6	59.1	58.7	58.4	58.2	57.9	57.7	57.6	57.5	56.7
15	59.8	59.2	58.6	58.3	58.0	57.7	57.2	56.7	56.5	56.3
16	59.5	59.0	58.6	58.3	58.0	57.8	57.4	56.8	56.6	56.4
17	58.5	58.2	57.9	57.7	57.3	57.0	56.6	56.4	56.4	56.3
18	58.4	57.7	57.3	57.0	56.7	56.4	55.9	55.4	55.2	55.0
19	55.2	54.0	53.2	52.5	51.9	51.3	50.6	50.3	50.2	50.0
20	56.8	55.4	54.3	53.3	52.5	51.6	50.6	50.1	49.7	49.0
21	56.8	55.5	54.4	53.3	52.1	50.7	49.0	47.6	46.7	45.7
22	55.4	53.8	52.5	51.6	50.9	50.3	49.5	49.1	49.0	48.8
23	54.8	53.0	51.9	51.1	50.5	49.9	49.3	49.0	48.8	48.2
24	51.2	50.8	50.5	50.1	49.7	49.4	49.0	48.9	48.8	48.6

FIGURE B-61(b). HOURLY NOISE DATA FOR MIAMI SITE 0601

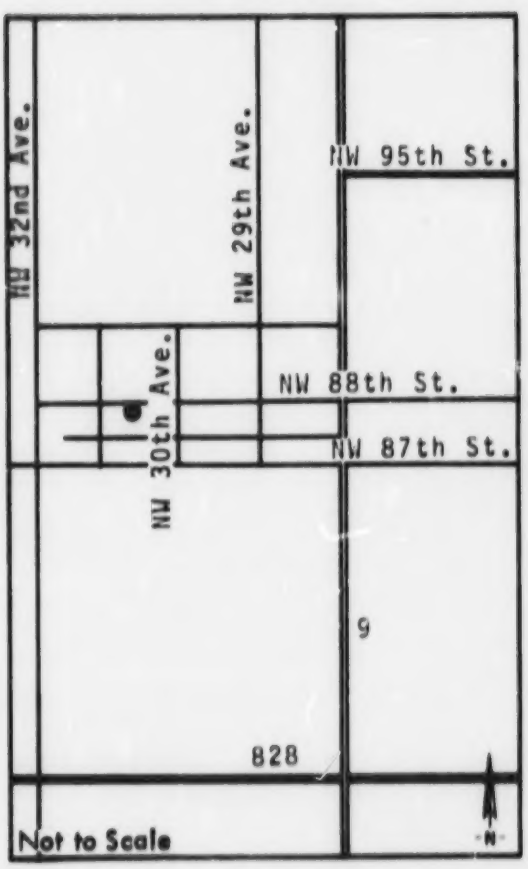
SITE # 601



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	88.8	91.3	0.	59.9
MIN	43.8	42.5	8.	64.5
NPL	71.7	72.	10.	66.1
SIG	4.5	4.9	12.	67.8
LEQ	67.1	59.6		
TNI	64.2	58.4		
L1	69.9	71.2		
L3	65.7	65.3		
L5	63.8	62.8		
L10	61.5	58.7		
L20	59.6	53.5		
L30	58.7	51.3		
L40	58.0	50.6		
L50	57.4	50.0		
L60	56.3	49.7		
L70	54.1	49.4		
L80	52.3	49.		
L90	52.6	48.8		
L95	49.6	48.		
L97	49.1	47.8		
L99	47.9	46.8		

FIGURE B-61(c). DAY/NIGHT NOISE DATA FOR MIAMI SITE 0601



L_{DN}:	58.1	dB
ρ:	5,200	people / sq.mi.

SITE: 0602

Address: 3030 NW 88th
Miami, FL

Microphone Height: 1.5 m.

Distance to Curb: 4.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

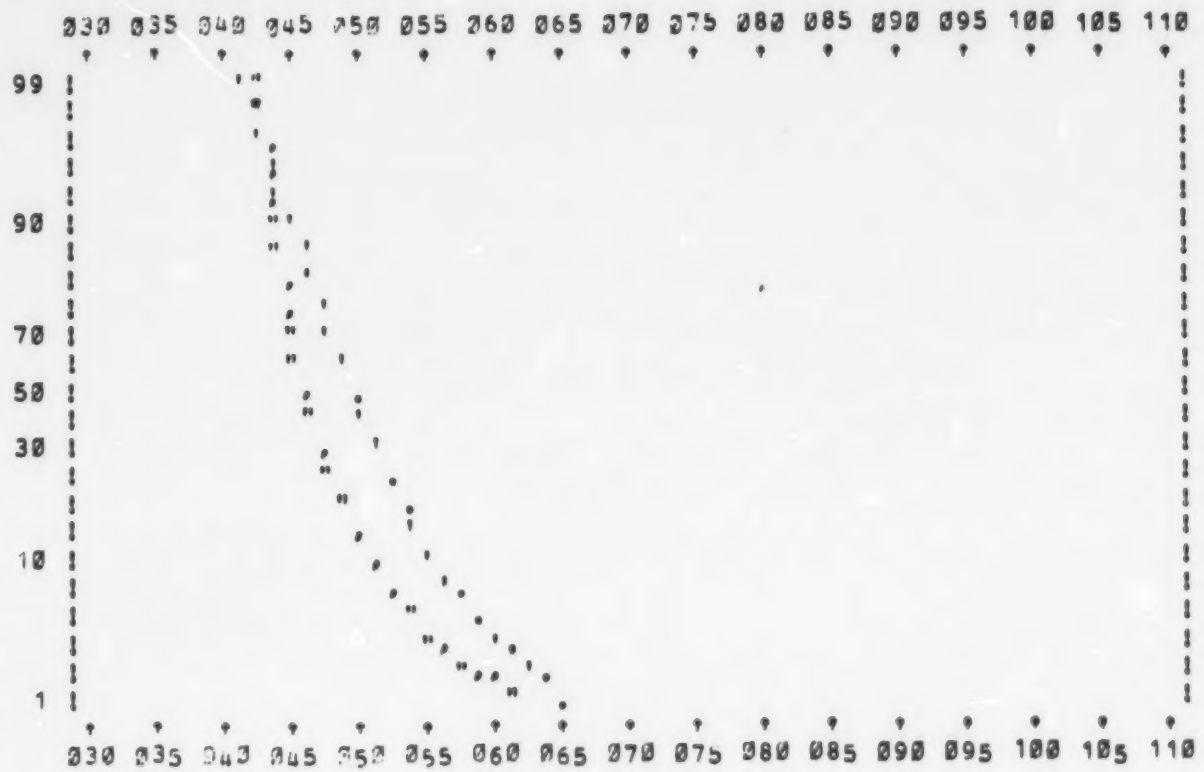
FIGURE B-62(a). DESCRIPTION OF MIAMI SITE 0602

SITE # 602

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	75.0	43.8	60.1	3.3	51.6	31.0	64.8	56.7	52.7	49.2	47.6
2	71.3	42.5	55.3	2.5	49.0	30.3	57.1	52.0	50.7	48.8	47.3
3	70.0	42.5	56.8	3.0	49.2	29.6	62.8	52.5	50.3	47.9	46.2
4	70.0	42.5	57.0	3.1	49.1	31.7	62.3	53.8	51.2	48.3	46.1
5	68.8	41.3	50.4	1.9	45.6	26.8	52.0	49.1	48.0	46.4	45.4
6	76.3	41.3	56.4	2.9	49.0	31.5	58.6	52.2	49.8	47.6	46.0
7	76.3	41.3	63.0	3.9	52.9	48.5	64.9	58.6	56.0	53.5	51.2
8	81.3	43.8	64.3	0.7	54.8	46.2	65.8	60.0	57.4	54.4	52.2
9	72.5	41.3	61.3	3.9	51.2	48.9	62.4	58.1	55.9	52.5	49.8
10	77.5	38.8	63.5	4.7	51.6	50.3	64.0	58.7	55.1	51.2	48.3
11	81.3	40.0	61.1	3.7	51.5	41.7	62.7	56.3	53.7	50.8	48.4
12	75.0	41.3	63.6	4.2	53.0	51.9	64.3	59.4	56.6	54.0	52.1
13	77.5	45.0	61.4	3.3	52.8	41.6	64.2	60.1	57.2	53.4	51.2
14	96.3	45.0	64.6	3.1	56.6	35.6	64.6	57.4	54.4	51.6	49.9
15	75.0	45.0	60.3	3.0	52.6	37.6	63.7	58.3	55.6	52.6	51.0
16	83.8	46.3	65.8	3.8	56.2	49.1	66.6	62.5	60.2	56.6	54.6
17	77.5	46.3	64.0	3.5	55.0	47.4	66.1	62.3	59.7	56.2	53.5
18	85.0	46.3	68.0	4.0	57.8	54.9	68.3	63.9	61.5	58.4	55.9
19	80.0	46.3	66.0	3.6	56.9	51.5	67.1	63.1	61.0	58.1	55.8
20	82.5	47.5	65.4	3.4	56.6	51.2	66.6	62.4	60.6	58.3	56.0
21	82.5	46.3	63.5	3.1	55.5	44.1	66.1	61.5	59.3	56.3	54.3
22	81.3	43.8	61.9	3.2	52.8	39.9	62.7	58.2	55.4	52.4	50.9
23	80.0	43.8	64.2	4.0	54.1	50.6	65.1	60.4	58.1	54.7	52.3
24	72.5	43.8	59.4	3.2	51.1	41.6	61.9	57.4	55.0	52.2	49.8

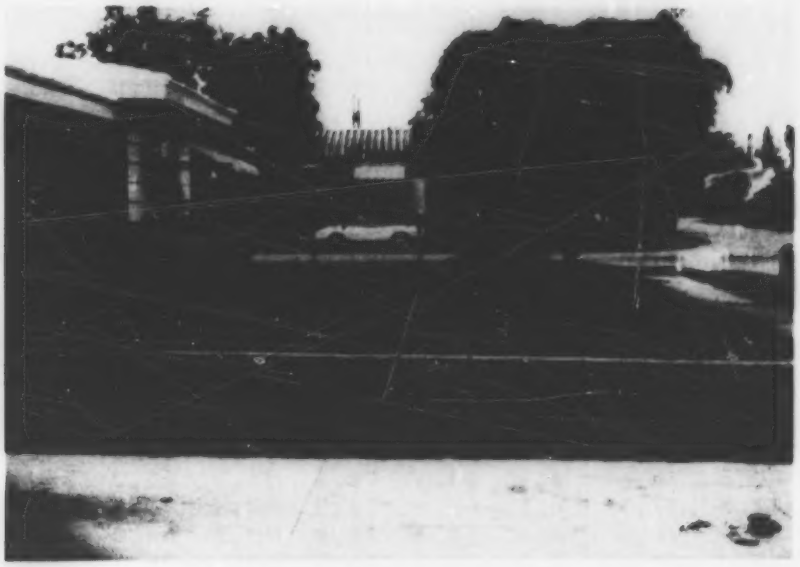
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	47.1	46.8	46.4	46.1	45.8	45.5	45.2	45.1	45.0	44.2
2	46.7	46.2	46.0	45.7	45.5	45.2	44.9	44.3	44.1	43.9
3	45.8	45.3	45.0	44.7	44.4	44.2	43.9	43.8	43.8	43.0
4	45.4	44.9	44.7	44.5	44.2	44.0	43.8	43.4	43.0	42.7
5	44.9	44.6	44.3	44.1	43.8	43.4	42.9	42.7	42.6	42.5
6	45.3	44.8	44.5	44.1	43.8	43.4	42.9	42.7	42.6	42.5
7	50.0	49.1	48.3	47.6	46.8	45.9	45.1	44.3	44.0	43.3
8	51.1	50.5	49.8	49.3	48.8	48.1	47.1	46.5	46.2	45.4
9	48.5	47.6	47.0	46.4	45.7	44.9	43.7	43.0	42.8	42.5
10	46.7	45.6	44.7	43.9	43.2	42.5	41.5	40.9	40.5	40.1
11	47.1	46.2	45.7	45.1	44.7	44.2	43.8	43.2	42.9	42.6
12	50.7	49.6	48.7	47.9	46.9	45.8	44.7	44.0	43.8	42.9
13	50.3	49.7	49.1	48.6	48.2	47.8	47.4	46.8	46.6	46.3
14	49.4	48.8	48.5	48.2	47.9	47.6	46.9	46.6	46.4	46.3
15	50.2	49.7	49.3	48.8	48.4	48.0	47.6	47.1	46.8	46.4
16	53.3	52.1	51.2	50.7	50.3	49.7	49.1	48.8	48.6	47.9
17	52.3	51.5	50.9	50.5	50.1	49.6	49.1	48.8	48.7	47.9
18	54.7	53.9	53.0	52.1	51.3	50.5	49.6	49.1	48.8	48.0
19	54.7	53.9	53.3	52.7	52.1	51.3	50.3	49.6	49.2	48.8
20	54.7	53.7	53.1	52.4	51.9	51.4	50.6	50.1	49.6	48.9
21	53.4	52.8	52.3	51.9	51.6	51.1	50.3	49.7	49.2	48.3
22	50.0	49.3	48.7	48.2	47.7	47.2	46.6	46.3	46.0	45.3
23	50.9	49.8	49.1	48.5	48.0	47.5	46.1	45.5	45.3	45.1
24	48.7	48.0	47.4	47.1	46.7	46.4	45.7	45.4	45.2	45.0

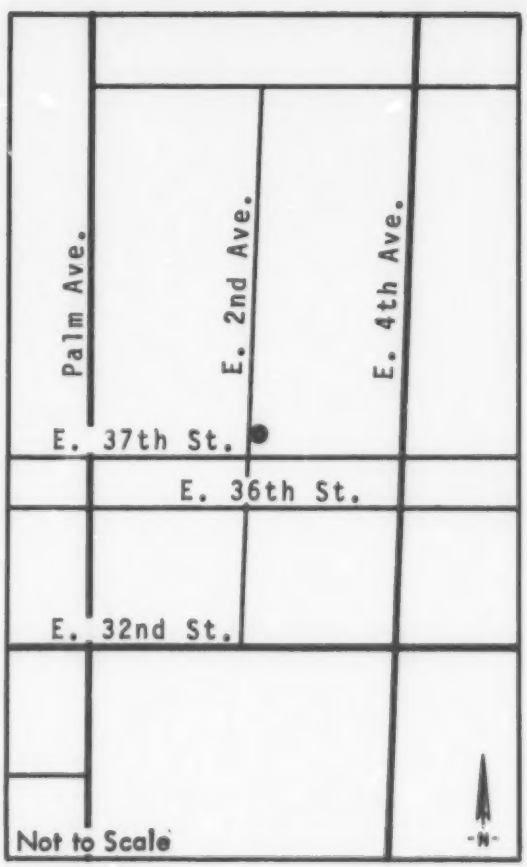
FIGURE B-62(b). HOURLY NOISE DATA FOR MIAMI SITE 0602



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	96.3	80.0	0.	53.6
MIN	38.8	41.3	8.	56.7
NPL	66.0	60.1	10.	58.1
SIG	4.4	3.6	12.	59.6
LEQ	54.7	50.8		
TNI	55.8	42.4		
L1	65.3	62.3		
L3	60.8	56.1		
L5	58.3	53.6		
L10	55.4	51.0		
L20	53.2	48.7		
L30	51.8	47.5		
L40	50.8	46.7		
L50	49.9	46.0		
L60	49.1	45.5		
L70	48.2	44.9		
L80	47.2	44.4		
L90	45.3	43.9		
L95	44.0	43.3		
L97	43.2	43.0		
L99	41.9	42.7		

FIGURE B-62(c). DAY/NIGHT NOISE DATA FOR MIAMI SITE 0602





L_{DN}:	63.2	dB
ρ:	9,500	people / sq.mi.

SITE: 0603

Address: 3605 E. 2nd Ave.
Miami, FL

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

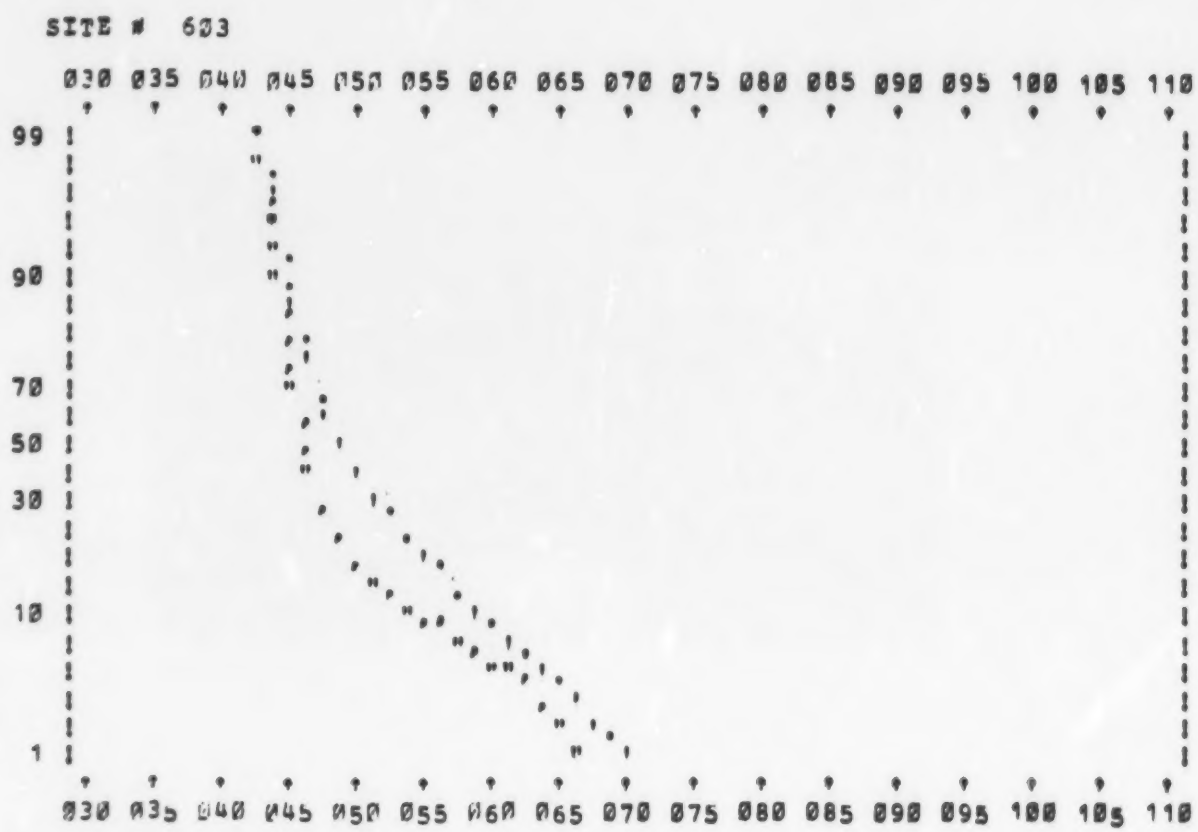
FIGURE B-63(a). DESCRIPTION OF MIAMI SITE 0603

SITE # 603

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	78.8	42.5	63.2	4.0	53.0	34.0	66.0	59.6	55.2	49.2	47.0
2	77.5	42.5	56.5	2.7	49.6	28.2	59.3	51.8	49.8	47.6	46.2
3	72.5	41.3	55.0	2.7	48.1	30.6	58.5	53.2	50.6	48.1	46.4
4	77.5	41.3	82.0	8.5	60.2	98.0	68.6	67.3	66.6	65.4	63.2
5	77.5	41.3	62.4	4.2	51.5	50.4	62.2	59.7	57.2	53.1	50.6
6	81.3	41.3	62.2	3.8	52.5	38.0	62.8	55.1	52.9	49.2	46.5
7	81.3	41.3	73.1	5.6	58.8	65.3	72.6	65.2	62.0	57.9	53.9
8	82.5	45.0	71.1	5.2	57.9	67.9	69.2	65.9	63.8	60.3	56.4
9	82.5	45.0	69.6	4.6	57.8	56.3	69.9	65.4	62.5	57.8	54.1
10	77.5	41.3	69.7	5.6	55.3	66.3	67.9	64.0	61.2	57.0	52.2
11	91.3	40.0	85.2	7.4	66.2	75.1	80.3	68.9	65.0	58.8	52.9
12	83.8	40.0	71.2	5.9	56.2	71.9	68.0	64.9	62.7	58.8	54.6
13	91.3	45.0	77.1	6.0	61.7	78.8	73.0	69.2	67.2	63.9	59.2
14	91.3	41.3	72.2	5.7	57.6	64.0	70.5	66.4	62.8	57.1	52.5
15	81.3	41.3	69.8	5.5	55.8	64.6	67.9	63.6	61.1	57.0	52.7
16	87.5	42.5	76.6	6.4	60.1	78.5	71.9	68.3	66.1	61.5	55.6
17	87.5	42.5	77.2	6.5	60.6	79.9	72.1	68.4	66.0	62.0	56.2
18	77.5	41.3	74.6	6.4	58.1	79.0	70.3	67.1	64.8	61.0	56.0
19	78.8	40.0	71.4	6.0	56.1	71.7	68.3	64.5	62.0	58.4	54.5
20	88.8	40.0	74.2	6.3	58.1	76.6	70.1	66.5	64.2	59.9	54.4
21	100.0	42.5	85.4	6.8	68.1	75.3	72.9	66.8	64.2	60.0	55.7
22	77.5	42.5	67.6	4.9	55.0	57.4	67.2	63.0	60.2	55.8	51.2
23	93.8	43.8	66.4	4.1	55.8	45.8	65.6	60.6	57.6	53.1	49.6
24	76.3	42.5	59.6	3.4	51.0	38.5	62.2	57.4	54.9	51.0	48.5

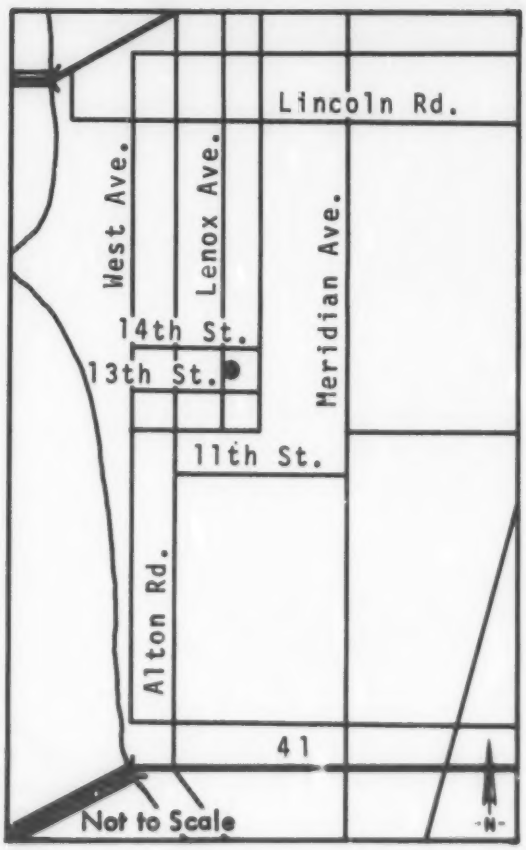
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	46.2	45.9	45.7	45.4	45.2	44.9	44.3	44.0	43.9	43.8
2	45.9	45.6	45.2	44.9	44.6	44.3	44.0	43.9	43.8	43.8
3	45.9	45.5	45.1	44.8	44.5	44.2	43.9	43.8	43.5	42.8
4	60.3	52.3	47.6	46.5	45.9	45.3	44.5	44.0	43.8	43.1
5	48.9	47.2	46.3	45.7	45.1	44.6	44.1	43.8	43.4	42.8
6	45.6	44.9	44.6	44.3	43.9	43.5	43.0	42.7	42.6	42.5
7	51.8	50.5	49.5	48.7	47.9	47.0	45.5	44.3	43.9	43.0
8	53.6	52.0	51.0	50.2	49.4	48.7	47.8	47.1	46.7	46.3
9	52.7	51.7	51.0	50.3	49.7	49.1	48.2	47.7	47.5	46.6
10	49.6	47.5	46.5	45.8	45.2	44.6	44.0	43.4	43.0	42.6
11	49.8	48.1	46.9	46.0	45.2	44.4	43.4	42.8	42.5	41.6
12	51.6	49.5	48.1	47.1	46.2	45.4	44.4	43.9	43.4	42.7
13	56.4	54.5	53.0	51.9	50.9	50.0	48.9	48.0	47.5	46.6
14	50.1	48.7	47.8	47.1	46.4	45.6	44.7	44.1	43.8	43.0
15	50.3	48.6	47.4	46.6	45.8	45.2	44.3	43.9	43.6	42.9
16	52.1	50.2	49.2	48.3	47.6	46.8	45.9	45.2	44.9	44.1
17	52.8	50.9	49.6	48.6	47.8	47.0	46.0	45.3	45.1	44.2
18	53.2	50.8	49.6	47.7	46.8	45.9	44.9	44.2	43.9	43.1
19	51.4	49.0	47.4	46.4	45.6	44.9	44.0	43.4	43.0	42.6
20	51.4	49.7	48.3	47.1	46.1	45.3	44.3	43.8	43.3	42.7
21	52.8	50.4	48.7	47.5	46.4	45.7	44.9	44.2	44.0	43.6
22	48.7	47.6	47.0	46.5	46.0	45.6	45.2	45.0	44.5	44.0
23	48.4	47.7	47.2	46.8	46.5	46.0	45.5	45.2	45.1	44.7
24	47.5	47.0	46.5	46.1	45.8	45.5	45.2	45.0	44.8	44.1

FIGURE B-63(b). HOURLY NOISE DATA FOR MIAMI SITE 0603



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	80.0	93.8	0.	59.8
MIN	43.0	41.3	8.	62.1
NPL	77.2	68.5	10.	63.2
SIG	6.2	5.2	12.	64.5
LEQ	61.3	55.2		
TNI	73.9	56.6		
L1	70.7	67.0		
L3	66.6	63.8		
L5	64.1	61.0		
L10	59.7	54.7		
L20	54.9	49.7		
L30	52.2	47.8		
L40	50.5	46.8		
L50	49.1	46.1		
L60	48.0	45.7		
L70	46.9	45.2		
L80	45.9	44.7		
L90	44.9	44.1		
L95	44.1	43.8		
L97	43.8	43.4		
L99	42.9	42.8		

FIGURE B-63(c). DAY/NIGHT NOISE DATA FOR MIAMI SITE 0603



L_{DN}:	64.4	dB
ρ:	29,500	people / sq.mi.

SITE: 0604

Address: 1335 Lenox Ave.
Miami Beach, FL

Microphone Height: 1.5 m.

Distance to Curb: 13.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-64(a). DESCRIPTION OF MIAMI SITE 0604

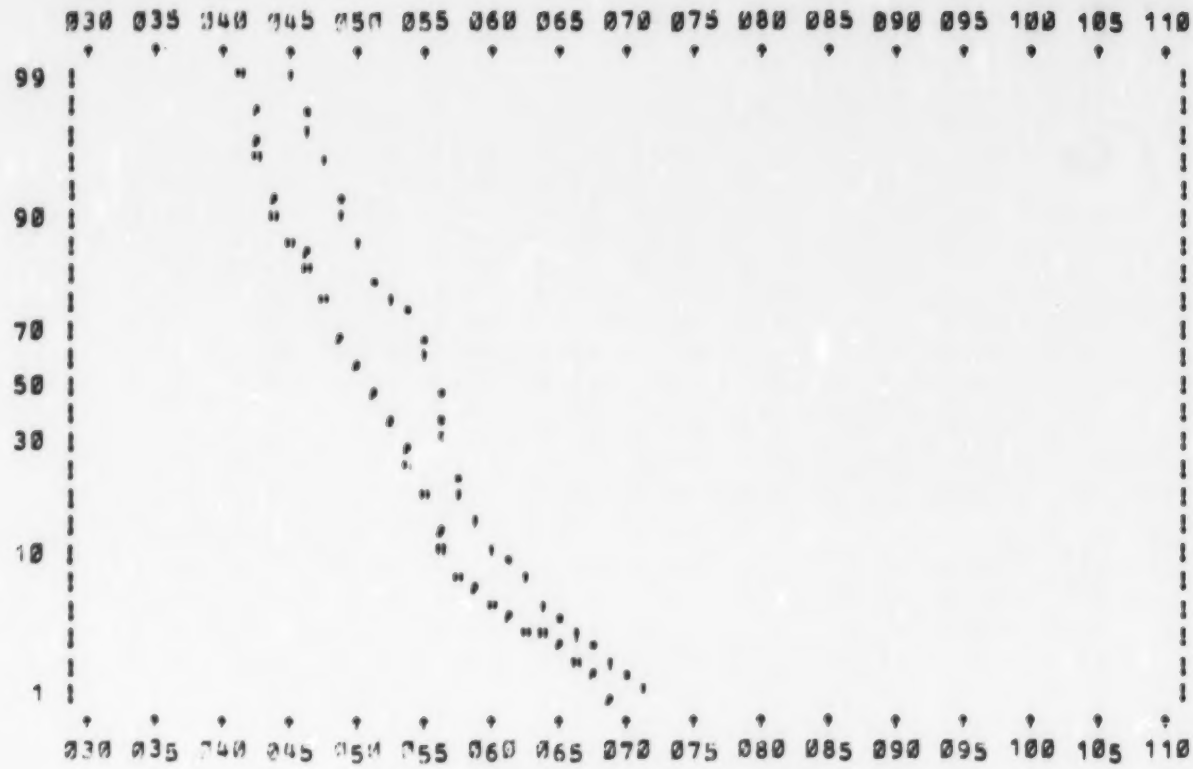
SITE # 604

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	70.0	43.8	55.7	1.7	51.4	34.9	55.0	53.7	53.5	52.8	52.2
2	65.0	46.3	56.3	1.6	52.1	35.8	55.8	54.8	54.4	53.7	53.1
3	85.0	46.3	72.8	5.0	60.1	72.0	71.1	68.7	67.5	63.6	56.8
4	81.3	41.3	69.7	5.1	56.7	60.6	68.3	63.7	61.5	56.4	51.1
5	81.3	40.0	65.6	3.9	55.7	39.1	66.6	52.3	50.5	49.7	49.0
6	76.3	40.0	63.3	4.1	52.7	39.6	64.5	52.6	49.7	48.6	48.1
7	81.3	40.0	71.8	5.7	57.1	68.4	68.2	63.6	61.0	57.0	51.9
8	78.8	42.5	68.7	4.8	56.4	60.0	68.7	64.3	61.5	57.4	53.7
9	82.5	41.3	79.2	6.9	61.5	85.8	74.6	70.7	68.1	63.5	58.1
10	78.8	42.5	69.7	5.0	56.8	71.3	66.7	64.5	63.3	61.1	56.8
11	70.0	46.3	63.2	3.2	55.0	48.5	64.1	61.7	60.1	57.2	55.0
12	81.3	43.8	66.6	4.0	56.4	50.9	67.5	62.3	59.9	56.5	53.8
13	82.5	43.8	73.1	5.1	60.2	64.5	72.3	68.2	65.1	60.8	58.2
14	85.0	52.5	69.3	3.4	60.8	53.5	71.1	67.6	65.5	62.4	59.6
15	83.8	52.5	68.0	3.2	59.9	51.2	70.4	66.9	64.8	61.7	58.6
16	83.8	52.5	72.1	3.8	62.5	50.2	76.6	67.9	64.7	61.5	58.8
17											
18											
19	83.8	52.5	77.7	5.1	64.6	71.6	77.0	73.5	71.1	66.8	61.1
20	81.3	52.5	67.6	3.1	59.7	43.4	70.9	66.6	63.7	59.7	57.4
21	80.0	52.5	62.7	2.0	57.5	36.0	65.8	60.2	58.6	57.3	56.6
22	82.5	52.5	66.6	2.6	59.9	35.9	69.2	62.5	59.9	57.6	57.0
23	96.3	52.5	72.1	3.8	62.3	55.0	74.3	68.7	66.2	62.6	58.7
24	76.3	45.0	63.7	2.9	56.2	42.6	66.8	59.8	57.2	56.1	55.7

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	51.7	51.3	50.9	50.5	50.2	49.6	48.8	48.0	47.7	46.9
2	52.5	52.2	51.8	51.4	50.9	50.4	49.6	49.0	48.6	47.8
3	54.8	54.2	53.5	52.9	52.3	51.7	50.8	50.1	49.7	49.0
4	50.1	49.4	48.7	48.0	47.1	46.0	45.0	44.4	44.1	43.8
5	48.4	48.0	47.5	46.6	45.5	44.3	43.2	42.7	42.5	41.7
6	47.6	47.0	46.3	43.5	42.6	42.1	41.6	41.4	41.3	40.7
7	49.6	48.5	47.9	47.1	45.5	44.2	43.2	42.8	42.6	41.8
8	51.9	50.8	50.0	49.4	48.7	47.8	46.6	45.7	45.3	44.6
9	54.2	52.2	50.9	49.9	49.1	48.0	46.1	44.9	44.3	43.8
10	54.4	52.6	51.5	50.7	49.8	48.9	47.7	46.7	46.3	45.2
11	54.0	53.2	52.5	51.9	51.4	50.8	50.1	49.3	48.9	48.0
12	52.7	51.9	51.2	50.6	50.0	49.3	48.3	47.5	46.8	45.9
13	57.2	56.6	55.8	54.3	52.5	51.2	49.6	48.1	47.2	45.8
14	58.3	57.5	57.1	56.7	56.3	55.9	55.4	55.1	55.0	54.3
15	57.4	57.0	56.6	56.2	55.9	55.5	55.2	55.0	54.6	54.0
16	57.6	57.1	56.7	56.3	56.0	55.6	55.2	55.1	54.8	54.1
17										
18										
19	58.2	57.2	56.7	56.2	55.9	55.5	55.2	55.0	54.5	54.0
20	57.0	56.5	56.2	55.9	55.6	55.4	55.1	54.7	54.3	53.9
21	56.1	55.9	55.7	55.5	55.3	55.0	54.4	54.1	53.9	53.8
22	56.6	56.2	55.9	55.7	55.4	55.2	54.8	54.3	54.1	53.8
23	57.4	56.9	56.5	56.1	55.8	55.5	55.1	54.9	54.5	54.0
24	55.3	54.9	54.5	54.1	53.7	52.0	50.6	49.8	49.1	48.0

FIGURE B-64(b). HOURLY NOISE DATA FOR MIAMI SITE 0604

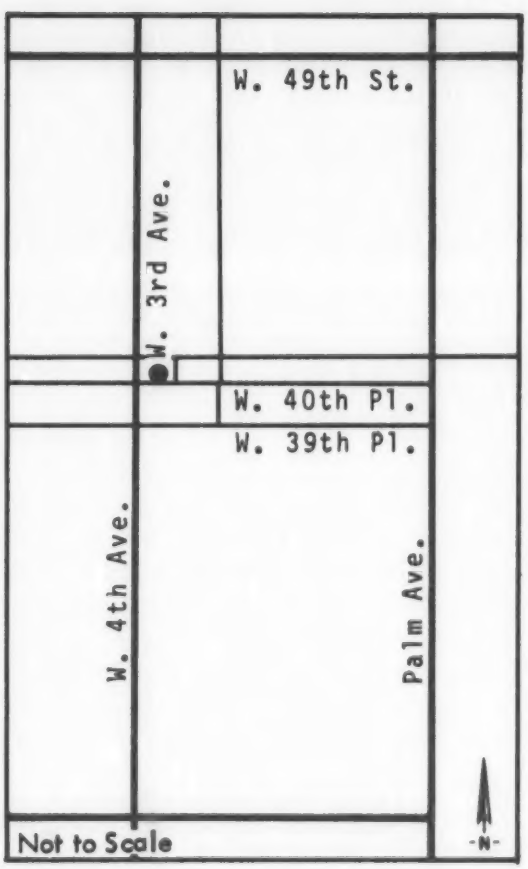
SITE # 604



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	85.3	96.3	0.	59.5
MIN	41.3	40.8	8.	63.0
NPL	73.0	71.3	10.	64.4
SIG	4.9	5.4	12.	66.0
LEQ	68.4	57.4		
TNI	65.4	64.4		
L1	72.4	69.2		
L3	67.2	64.		
L5	64.4	60.4		
L10	62.8	56.8		
L20	57.7	55.2		
L30	56.9	53.6		
L40	56.2	52.		
L50	55.7	50.9		
L60	55.3	49.7		
L70	54.1	48.4		
L80	51.3	47.		
L90	49.2	44.3		
L95	47.9	42.9		
L97	46.8	42.2		
L99	45.3	41.5		

FIGURE B-64(c). DAY/NIGHT NOISE DATA FOR MIAMI SITE 0604



L_{DN}:	68.0	dB
ρ:	9,500	people / sq.mi.

SITE: 0605

Address: 391 W. 40th Pl.
Miami, FL

Microphone Height: 1.5 m.

Distance to Curb: 10.7 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

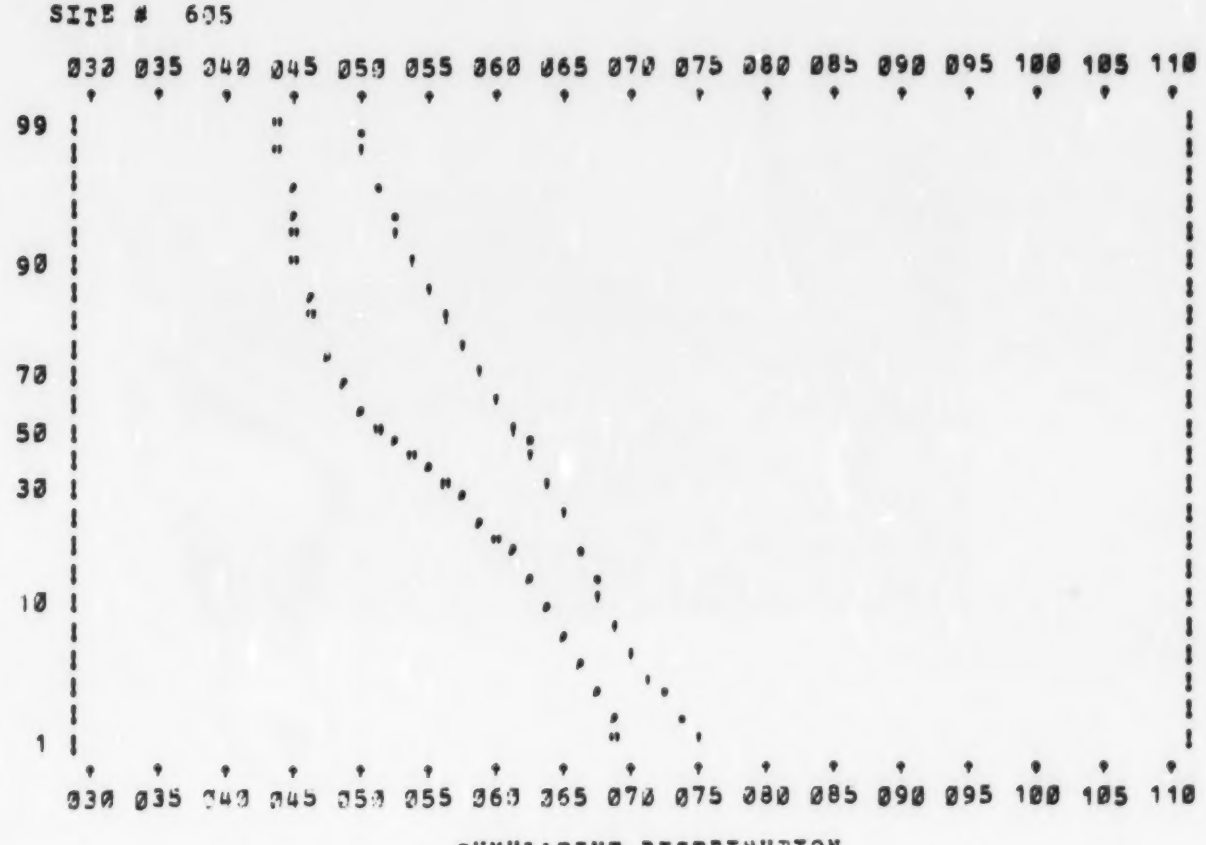
FIGURE B-65(a). DESCRIPTION OF MIAMI SITE 0605

SITE # 0605

HR	MAX	MIN	NPL	SIG	L50	TNI	L1	L3	L5	L10	L20
1	75.0	42.5	73.7	6.2	57.8	80.3	67.9	65.7	64.3	61.7	58.8
2	78.8	41.3	71.3	6.0	56.1	73.7	67.8	64.2	62.2	59.2	55.0
3	80.0	41.3	72.7	5.9	57.5	71.3	70.7	64.9	62.2	58.8	54.2
4	78.8	42.5	65.9	4.7	53.8	58.6	65.4	61.4	59.3	55.9	51.3
5	77.5	42.5	66.6	4.8	54.4	60.7	66.2	62.2	60.4	56.8	51.4
6	85.0	43.8	75.4	6.2	60.5	79.7	70.5	67.0	65.4	63.1	59.7
7	91.3	46.3	78.9	5.3	65.3	76.9	74.2	70.4	69.0	67.3	65.6
8	91.3	50.0	79.7	4.9	67.2	76.5	77.3	74.0	72.2	69.8	67.6
9	90.0	45.0	80.7	5.6	66.3	80.4	76.2	72.7	70.9	68.6	66.6
10	81.3	43.8	80.1	6.2	64.2	85.4	74.7	71.0	69.5	67.4	65.2
11	87.5	45.0	80.9	6.1	65.2	85.3	76.2	72.5	70.7	68.0	65.3
12	85.0	45.0	80.1	5.8	65.2	82.8	75.9	72.5	70.5	68.1	65.8
13	85.0	45.0	79.7	5.7	65.1	80.3	75.8	71.6	69.7	67.4	65.3
14	88.8	45.0	81.0	6.0	65.5	84.8	75.9	72.6	70.7	68.0	65.4
15											
16											
17											
18	86.3	51.3	78.2	4.5	66.7	73.0	76.2	73.1	71.4	69.2	67.1
19	90.0	48.8	78.3	4.8	66.0	74.4	76.2	72.3	70.6	68.4	66.3
20	81.3	48.8	75.9	4.6	64.1	73.0	72.9	69.9	68.7	67.1	65.4
21	97.5	46.3	83.0	5.5	68.9	75.5	80.2	71.6	69.6	67.1	65.1
22	85.0	46.3	76.9	5.3	63.2	77.4	72.7	69.1	67.8	66.1	64.1
23	82.5	43.8	75.5	5.4	61.6	77.4	70.7	67.7	66.6	64.9	62.7
24	80.0	43.8	76.1	6.2	60.3	84.1	69.7	67.3	66.1	64.2	61.6

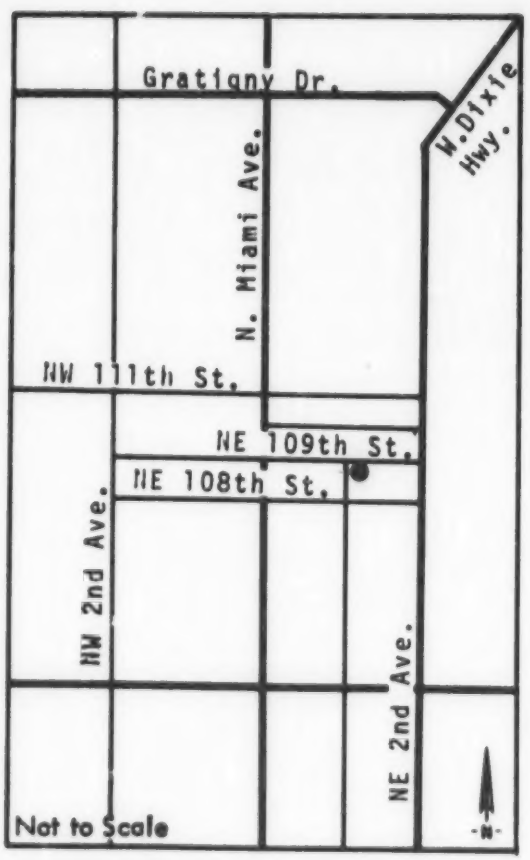
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.4	53.9	51.8	50.0	48.3	46.8	45.5	44.8	44.3	43.9
2	52.2	50.0	48.1	46.8	45.9	45.2	44.4	43.9	43.8	42.9
3	51.2	49.4	48.0	47.0	46.2	45.5	44.7	44.1	43.9	43.3
4	49.2	47.9	47.1	46.4	45.9	45.4	45.0	44.3	44.1	43.8
5	49.1	48.2	47.5	47.1	46.6	46.2	45.5	45.1	45.0	44.1
6	57.1	54.4	52.1	50.6	49.4	48.4	47.5	46.7	46.4	45.5
7	64.3	63.0	61.5	59.8	58.1	56.2	54.1	52.6	51.6	49.9
8	66.3	65.2	64.1	62.8	61.4	59.7	57.6	56.0	55.1	53.9
9	65.2	63.9	62.4	60.6	58.8	56.8	54.7	53.1	52.1	50.1
10	63.5	61.9	60.1	57.9	55.7	53.6	51.4	50.1	49.2	47.7
11	63.5	61.9	60.3	58.6	56.7	54.6	52.2	50.7	50.0	48.8
12	64.1	62.7	61.3	59.6	57.8	55.6	53.2	51.6	50.7	49.3
13	63.6	62.1	60.7	59.1	57.4	55.6	53.1	51.5	50.6	49.1
14	63.7	62.3	60.9	59.4	57.6	55.3	52.5	50.4	49.5	48.2
15										
16										
17										
18	66.0	65.0	64.1	63.1	61.9	60.2	57.9	56.3	55.5	54.2
19	65.1	64.0	62.9	61.7	60.3	58.6	56.4	54.7	53.7	52.3
20	64.1	62.9	61.7	60.5	59.0	57.3	55.2	53.8	53.0	51.8
21	63.7	62.7	61.6	60.4	59.0	57.1	54.4	52.3	51.4	50.0
22	62.7	61.3	59.9	58.3	56.4	54.5	52.3	50.9	50.1	48.9
23	61.1	59.7	58.2	56.5	54.6	52.8	50.8	49.3	48.5	47.2
24	59.5	57.6	55.7	53.7	51.7	49.7	47.5	46.4	45.8	45.1

FIGURE B-65(b). HOURLY NOISE DATA FOR MIAMI SITE 0605



	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	97.5	91.3	0.	64.6
MIN	43.8	41.3	8.	66.9
NPL	80.3	77.9	10.	68.0
SIG	5.6	7.0	12.	69.3
LEQ	66.0	60.0		
TNI	80.2	87.7		
L1	76.4	69.9		
L3	72.2	67.1		
L5	70.4	65.8		
L10	68.1	63.5		
L20	66.0	60.2		
L30	64.5	57.3		
L40	63.2	54.5		
L50	61.9	51.8		
L60	60.4	49.6		
L70	58.7	47.9		
L80	56.7	46.7		
L90	54.1	45.5		
L95	52.2	44.8		
L97	51.2	44.3		
L99	49.4	43.8		

FIGURE B-65(c). DAY/NIGHT NOISE DATA FOR MIAMI SITE 0605



L_{DN}:	60.9	dB
ρ:	4,900	people / sq.mi.

SITE: 0606

Address: 102 NE 109th
Miami, FL

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

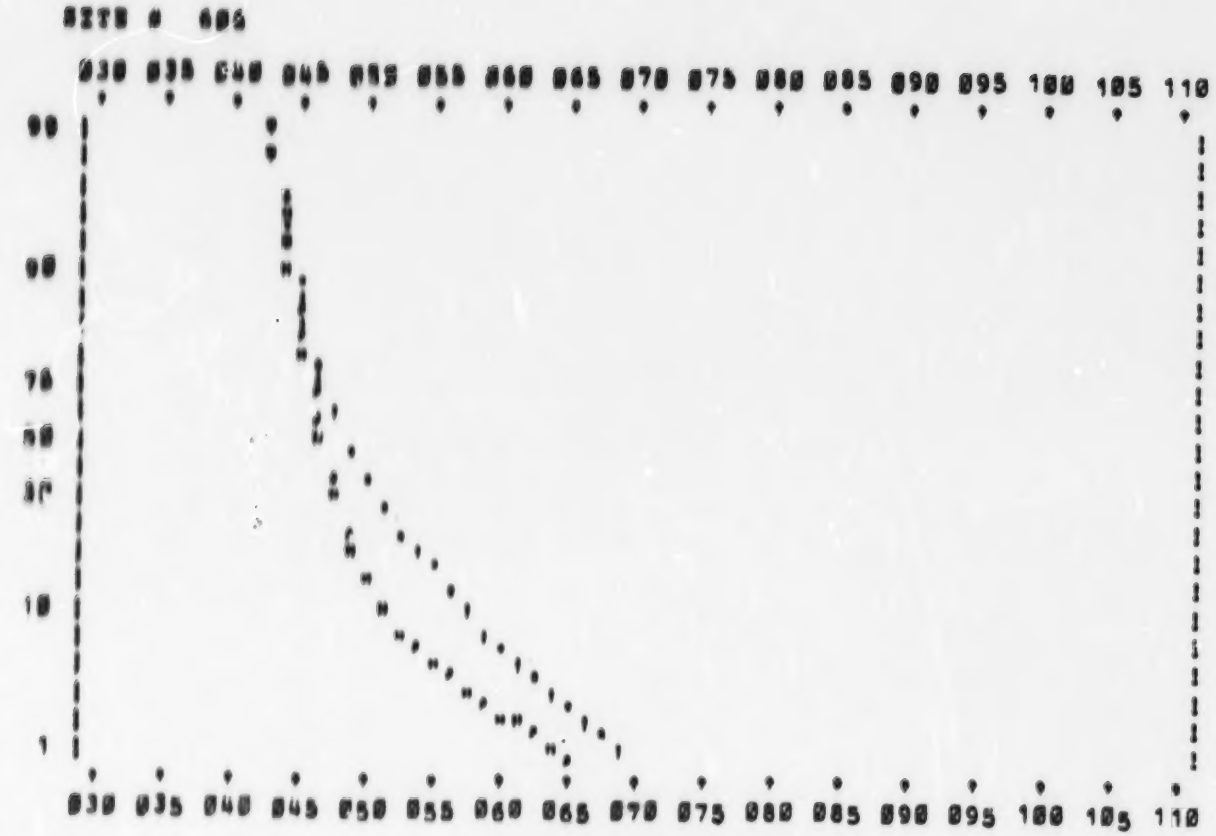
FIGURE 3-66(a). DESCRIPTION OF MIAMI SITE 0606

SITE # 606

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	67.5	42.5	52.6	1.9	47.7	28.3	55.1	50.1	49.1	48.3	47.5
2	73.8	42.5	54.7	2.4	48.7	30.5	55.9	52.2	50.5	48.5	47.2
3	61.3	41.3	54.2	2.6	47.5	35.8	56.5	53.7	51.8	49.4	47.5
4	65.8	41.3	53.2	2.5	46.9	34.3	55.4	52.3	50.8	48.6	47.0
5	65.8	41.3	51.8	2.1	46.4	33.8	52.2	50.4	49.6	48.4	47.2
6	73.8	41.3	66.1	4.6	54.2	50.8	67.4	63.2	59.1	53.6	50.6
7	86.3	43.8	76.9	6.8	61.5	74.4	74.2	69.6	66.7	62.1	56.8
8	77.5	45.8	66.2	4.8	56.8	52.7	67.8	62.7	60.6	57.1	53.7
9	76.3	43.8	71.1	5.2	57.9	65.6	71.4	65.4	63.8	59.6	55.2
10	88.8	40.8	80.8	7.4	61.8	88.9	78.4	69.8	66.8	62.7	58.2
11	80.8	40.8	72.1	5.9	57.8	75.4	66.5	63.5	61.9	59.4	57.1
12	71.3	40.8	68.8	5.4	54.2	63.1	67.3	64.6	58.2	56.8	53.9
13	88.8	40.8	74.8	6.6	58.8	79.8	68.3	65.2	63.2	60.8	56.2
14	75.8	40.8	67.6	5.2	54.2	65.3	66.8	62.5	60.2	57.8	53.4
15	82.5	41.3	65.9	4.2	55.2	44.9	67.9	57.5	54.9	53.8	49.5
16	87.5	40.8	64.6	4.8	54.4	49.5	63.4	58.8	56.4	53.4	51.5
17	82.5	40.8	74.3	6.4	58.8	71.2	78.3	65.4	63.1	57.5	52.2
18	82.5	41.3	75.8	6.4	59.3	73.2	73.8	68.3	64.1	59.8	54.2
19	82.5	45.8	73.7	5.5	59.7	68.2	72.4	67.5	64.5	60.5	56.8
20	90.8	41.3	63.2	3.7	53.8	43.2	62.4	57.8	55.3	51.8	49.4
21	83.8	41.3	63.4	4.1	52.8	47.9	64.3	59.9	57.1	52.8	49.1
22	98.8	43.8	67.8	4.4	55.9	43.8	68.2	61.8	57.1	52.3	48.5
23	75.8	43.8	58.4	2.6	49.8	32.4	59.9	55.2	52.8	50.1	48.7
24	72.5	43.8	58.4	2.9	51.8	31.9	62.6	56.4	53.6	50.2	49.1

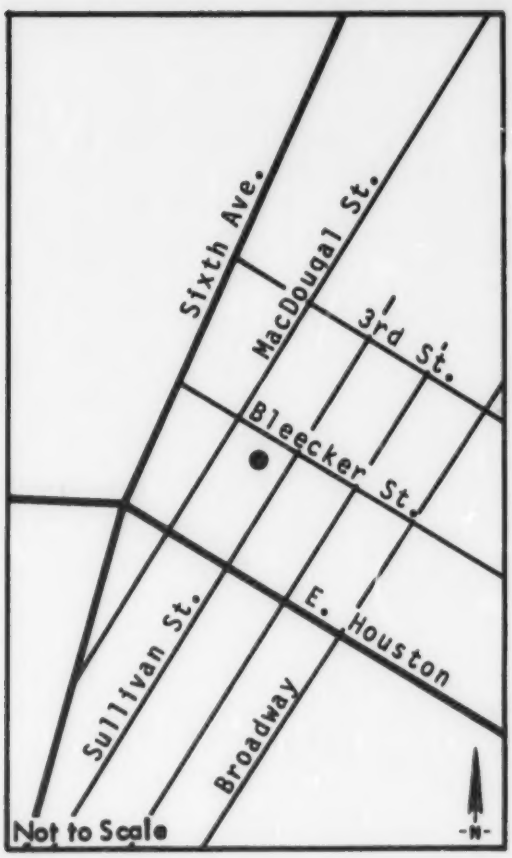
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	47.1	46.8	46.4	46.1	45.7	45.4	45.8	44.4	44.1	43.9
2	46.6	46.1	45.9	45.6	45.3	45.1	44.5	44.1	44.8	43.8
3	46.7	46.8	45.6	45.1	44.7	44.3	43.9	43.4	43.8	42.7
4	46.1	45.5	45.8	44.7	44.3	44.8	43.4	43.8	42.8	42.6
5	46.3	45.7	45.2	44.7	44.3	43.9	43.3	42.9	42.7	42.6
6	49.3	48.3	47.5	46.9	46.3	45.6	44.8	44.2	43.9	43.2
7	53.4	52.8	51.1	50.5	49.8	49.1	48.1	47.2	46.6	45.6
8	52.3	51.4	50.8	50.3	49.7	49.2	48.6	48.8	47.7	47.4
9	53.1	51.7	50.6	49.8	49.1	48.3	47.5	46.8	46.5	45.7
10	55.9	54.1	52.2	49.6	47.4	45.9	44.8	42.9	42.5	41.6
11	55.9	54.7	53.3	50.9	48.7	46.4	44.1	43.8	42.6	41.7
12	51.1	49.1	47.4	46.2	45.3	44.5	43.7	43.8	42.7	42.8
13	52.6	49.8	48.2	47.8	45.7	44.5	43.4	42.8	42.5	41.7
14	51.8	49.3	48.1	47.1	46.2	45.3	44.2	43.4	42.9	42.3
15	48.2	47.3	46.7	46.1	45.6	45.1	44.4	43.9	43.8	42.9
16	50.6	49.8	49.8	48.2	47.2	46.8	44.8	44.8	43.8	42.8
17	49.4	47.3	46.8	45.1	44.4	43.7	42.9	42.5	42.8	41.4
18	51.9	50.2	49.8	47.6	46.2	45.3	44.3	43.8	43.3	42.7
19	53.3	52.8	51.1	50.4	49.6	48.7	47.9	47.5	47.8	46.5
20	48.4	47.6	47.8	46.5	45.9	45.4	44.7	44.1	43.9	43.2
21	48.2	47.6	46.8	46.1	45.6	45.1	44.4	44.8	43.8	43.2
22	47.6	47.2	46.9	46.6	46.3	45.8	45.4	45.2	45.1	44.9
23	48.2	47.7	47.3	47.8	46.8	46.5	46.8	45.5	45.3	45.1
24	48.5	48.1	47.7	47.4	47.8	46.7	46.3	45.9	45.5	45.2

FIGURE B-66(b). HOURLY NOISE DATA FOR MIAMI SITE 0606



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	98.0	86.3	0.	56.3
MIN	40.0	41.3	8.	59.6
MPL	71.7	64.1	10.	60.9
SIG	5.6	4.0	12.	62.5
LEQ	57.3	53.9		
TNI	67.4	43.6		
L1	69.5	65.4		
L3	64.1	58.2		
L5	61.5	54.9		
L10	57.7	51.6		
L20	53.9	49.2		
L30	51.4	48.1		
L40	49.9	47.3		
L50	48.7	46.8		
L60	47.6	46.2		
L70	46.6	45.6		
L80	45.6	45.1		
L90	44.5	44.2		
L95	43.7	43.8		
L97	43.1	43.4		
L99	42.3	42.8		

FIGURE B-66(c). DAY/NIGHT NOISE DATA FOR MIAMI SITE 0606



L_{DN}:	74.0 dB
ρ:	83,500 people/sq.mi.

SITE: 0201
Address: 176 Bleecker
New York, N.Y.
Microphone Height: 13.7 m.
Distance to Curb: 2.7 m.

ROADWAY TYPE
At Site: Collector
Vicinity: Local

TRAFFIC
At Site: Cars, Trucks
Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

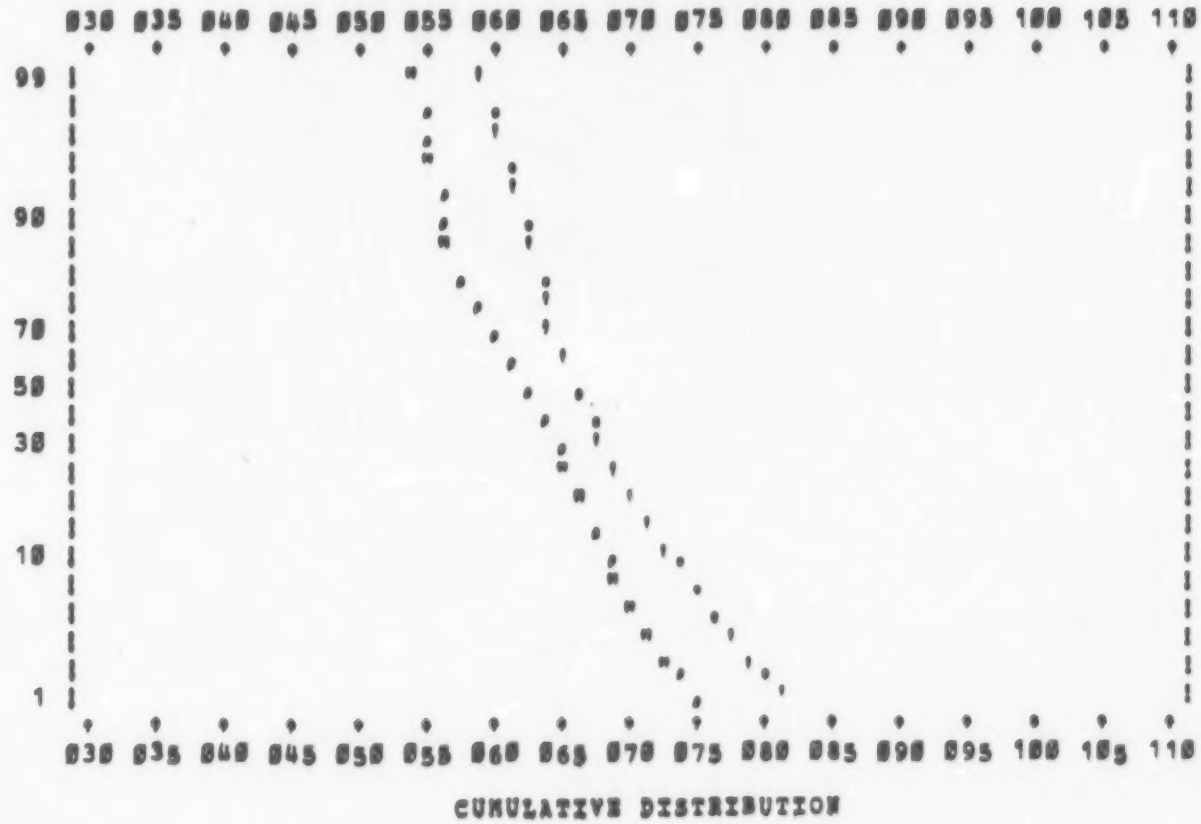
FIGURE B-67(a). DESCRIPTION OF NEW YORK CITY SITE 0201

SITE # 201

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	97.5	57.5	79.3	3.6	69.9	63.5	77.4	72.4	71.0	69.5	67.8
2	91.3	55.0	73.7	3.3	65.2	61.3	73.0	70.1	68.9	67.3	65.6
3	86.3	53.8	74.0	3.0	64.2	64.4	73.3	69.9	68.6	66.5	64.1
4	83.8	52.5	73.0	4.1	62.5	66.8	72.4	69.5	67.9	65.8	62.9
5	88.8	52.5	76.1	4.0	63.9	68.8	75.8	70.8	68.5	65.7	62.7
6	86.3	52.5	74.0	4.2	63.3	61.1	74.3	69.2	67.0	64.8	61.1
7	88.8	52.5	76.9	4.4	65.7	64.7	76.7	71.4	68.7	65.9	63.4
8	88.8	55.0	80.9	4.9	68.4	77.0	79.5	75.3	73.4	70.8	67.8
9	92.5	56.3	87.9	5.7	73.3	90.9	83.8	80.7	79.3	77.0	74.0
10	88.8	56.3	88.9	6.0	73.5	94.6	85.2	81.2	79.6	77.1	73.4
11	95.0	56.3	88.6	6.0	73.1	91.8	83.8	82.2	81.1	76.2	72.1
12	100.7	56.3	87.9	5.2	74.5	83.5	83.7	78.8	77.0	74.8	72.4
13	92.5	57.5	82.7	4.7	70.6	78.4	80.9	77.6	75.8	73.3	70.7
14	91.3	57.5	82.1	4.5	70.7	75.6	81.5	77.3	75.4	73.1	70.6
15	93.8	58.8	81.6	4.1	71.2	70.8	81.6	77.9	75.6	72.9	70.5
16	100.0	60.0	83.1	4.3	72.2	74.9	81.2	77.7	76.0	73.9	71.5
17	95.0	58.8	82.8	4.4	71.4	75.6	82.4	78.2	76.5	73.6	71.0
18	93.8	60.0	79.9	3.9	69.8	69.2	80.2	76.1	74.3	71.8	69.6
19	92.5	58.8	76.3	3.2	68.1	64.1	76.8	73.7	72.4	70.7	68.8
20	90.0	60.0	76.8	3.1	68.8	59.5	78.3	73.0	71.2	69.7	68.2
21	103.7	60.0	77.7	3.1	69.7	58.9	77.1	72.9	71.2	69.4	67.7
22	93.8	60.0	73.5	2.6	66.8	57.7	73.5	71.2	70.2	68.9	67.5
23	93.8	60.0	77.1	3.2	68.9	64.8	77.3	74.0	72.7	71.0	69.3
24	96.3	58.8	76.1	3.1	68.1	60.7	76.6	73.0	71.5	69.6	67.8

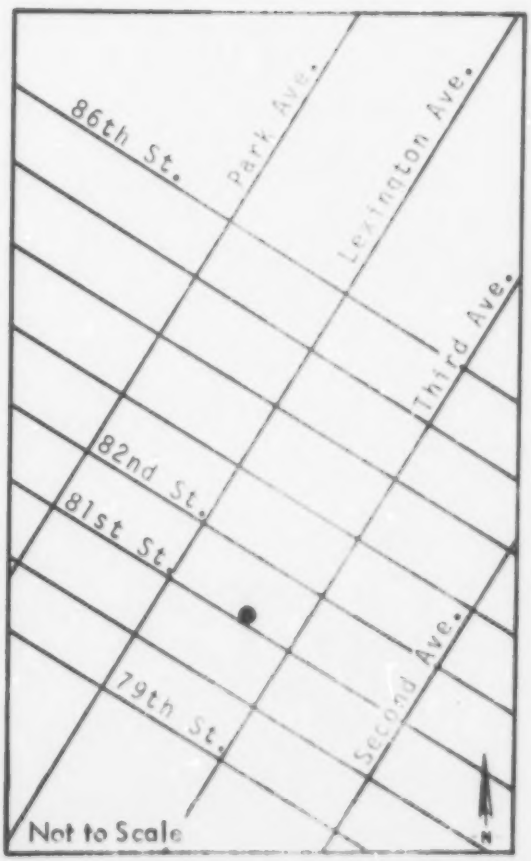
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	66.6	65.6	64.8	64.1	63.4	62.6	61.4	60.6	60.1	59.2
2	64.4	63.5	62.6	61.9	61.2	60.4	59.4	58.6	58.0	57.4
3	62.7	61.6	60.6	59.7	58.9	58.1	57.2	56.5	56.2	55.4
4	61.0	59.6	58.5	57.7	57.0	56.3	55.5	55.1	54.8	54.1
5	60.5	58.9	57.7	56.8	56.0	55.4	54.7	54.2	54.0	53.8
6	59.6	58.5	57.6	56.8	56.1	55.6	55.0	54.3	54.1	53.8
7	61.9	60.8	59.9	59.1	58.2	57.3	56.4	55.6	55.3	55.0
8	65.8	64.3	63.1	62.0	61.1	60.0	58.7	57.8	57.4	56.5
9	71.2	69.3	67.6	66.0	64.8	63.6	62.4	61.5	60.9	60.0
10	70.8	68.9	67.3	65.7	64.3	63.0	61.3	60.2	59.5	58.5
11	69.8	67.9	66.3	64.9	63.6	62.4	61.0	60.0	59.4	58.6
12	70.6	68.9	67.5	66.0	64.7	63.5	61.8	60.7	60.1	59.1
13	68.7	67.1	65.9	64.8	63.9	62.9	61.6	60.7	60.3	59.4
14	68.8	67.3	66.2	65.2	64.2	63.3	62.2	61.5	61.1	60.2
15	69.1	68.0	67.0	66.1	65.4	64.5	63.6	62.8	62.5	61.6
16	69.8	68.6	67.5	66.5	65.5	64.5	63.5	62.8	62.5	61.6
17	69.4	68.1	67.0	65.9	64.9	64.0	63.0	62.3	61.8	61.3
18	68.1	66.9	65.9	65.0	64.3	63.5	62.7	62.0	61.6	61.3
19	67.6	66.6	65.8	65.0	64.4	63.7	62.9	62.3	61.8	61.4
20	67.2	66.5	65.8	65.2	64.6	64.0	63.1	62.6	62.2	61.5
21	66.8	66.0	65.4	64.8	64.2	63.6	62.9	62.5	61.9	61.4
22	66.6	65.8	65.1	64.5	63.9	63.3	62.6	62.0	61.6	61.3
23	68.0	67.1	66.3	65.6	65.0	64.3	63.4	62.8	62.6	61.7
24	66.9	66.1	65.5	64.8	64.2	63.5	62.6	61.8	61.4	60.5

FIGURE B-67(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0201



	DAY '.'.	NIGHT "."."	WEIGHTING	WEIGHTED LEQ
MAX	100.7	97.5	0.	78.8
MIN	55.8	52.5	8.	72.6
MPL	83.1	78.9	10.	74.8
SIG	4.6	4.8	12.	75.4
LEQ	71.2	66.5		
TNI	75.8	75.1		
L1	82.8	75.5		
L3	78.8	71.8		
L5	76.8	70.3		
L10	73.1	68.3		
L20	70.2	66.2		
L30	68.5	64.8		
L40	67.2	63.6		
L50	66.1	62.2		
L60	65.2	60.8		
L70	64.3	59.2		
L80	63.4	57.7		
L90	62.2	56.1		
L95	61.2	55.3		
L97	60.3	54.9		
L99	58.9	54.1		

FIGURE B-67(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0201



L_{DN}:	72.9 dB
ρ:	60,700 $\frac{\text{people}}{\text{sq.mi.}}$

SITE: 0202

Address: 161 E. 81st St.
New York, N.Y.

Microphone Height: 5.2 m.

Distance to Curb: 3.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-68(a). DESCRIPTION OF NEW YORK CITY SITE 0202

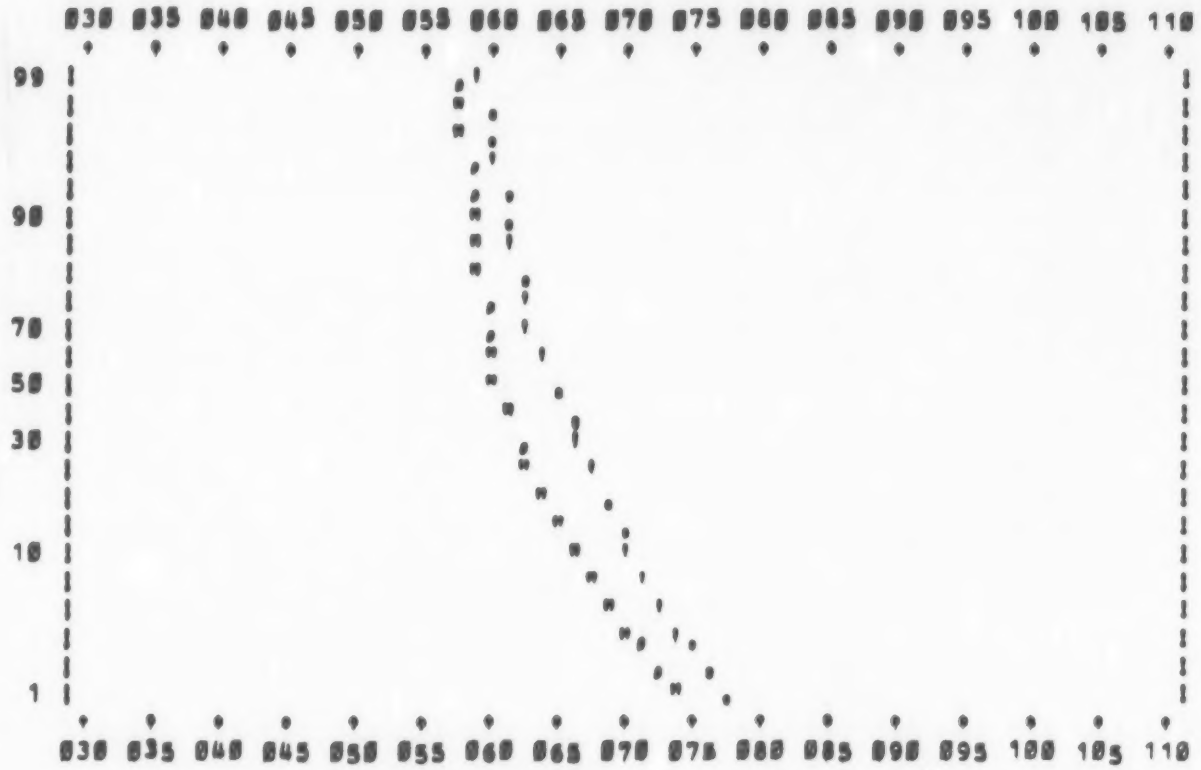
SITE # 202

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	91.3	56.3	74.9	3.8	65.2	63.6	74.6	71.1	69.5	67.8	64.5
2	85.8	55.8	71.3	3.2	63.8	56.9	72.5	69.6	67.8	65.1	62.7
3	82.5	57.5	70.8	2.8	62.8	53.8	72.1	68.6	67.1	65.2	62.9
4	88.8	57.5	71.6	3.8	63.9	52.3	73.6	69.8	67.2	64.8	62.3
5	81.3	57.5	69.7	2.7	62.7	50.5	72.2	68.7	66.8	64.3	62.2
6	100.8	57.5	80.7	4.1	70.2	64.8	77.5	72.8	70.5	67.8	64.3
7	95.8	56.3	79.3	4.5	67.8	70.3	78.8	73.6	71.5	68.9	66.8
8	100.8	56.3	81.3	4.5	69.8	74.6	80.3	76.6	75.8	71.9	69.3
9	97.5	58.8	83.2	4.3	72.2	72.6	81.8	79.5	76.7	73.2	70.8
10	91.3	57.5	82.4	4.5	70.7	76.6	81.4	77.8	76.8	73.1	70.2
11	86.3	56.3	79.8	4.1	68.5	73.4	77.3	74.9	73.5	71.7	69.6
12	88.8	57.5	76.5	3.8	66.8	68.8	75.8	73.4	72.1	69.9	67.8
13	91.3	58.8	76.6	3.6	67.4	66.5	76.7	73.3	71.9	70.8	68.1
14	92.5	57.5	76.7	3.5	67.7	66.6	75.9	73.2	72.1	70.3	68.2
15	93.8	57.5	76.2	3.8	67.4	65.5	75.8	73.1	71.7	69.8	67.8
16	88.8	58.8	77.1	3.6	67.9	67.6	75.9	73.5	72.4	70.6	68.6
17	93.8	57.5	78.1	3.8	68.4	68.3	76.9	73.5	72.2	70.4	68.4
18	87.5	57.5	77.4	3.7	67.9	68.9	76.9	74.1	72.8	70.8	68.7
19	93.8	57.5	75.9	3.5	66.9	65.9	76.8	73.8	71.7	69.6	67.4
20	88.8	57.5	75.3	3.5	66.3	66.2	74.9	72.6	71.2	69.3	67.8
21	88.8	57.5	73.9	3.3	65.5	61.3	74.3	71.1	69.7	67.9	66.8
22	95.8	56.3	78.3	4.8	68.3	66.6	77.3	73.4	71.4	69.1	66.6
23	95.8	56.3	76.8	3.8	67.1	64.6	75.1	71.4	70.1	68.8	65.5
24	82.5	56.3	72.5	3.1	64.2	61.7	72.6	70.1	68.9	67.1	64.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	63.1	62.8	61.1	60.3	59.6	59.8	58.2	57.8	57.6	57.8
2	61.5	60.8	60.1	59.6	59.1	58.6	57.8	57.2	56.8	56.4
3	61.7	60.9	60.3	59.9	59.6	59.3	59.8	58.9	58.8	58.3
4	61.2	60.6	60.1	59.8	59.5	59.2	59.8	58.8	58.8	58.3
5	61.1	60.6	60.8	59.7	59.5	59.2	58.9	58.8	58.8	58.8
6	62.8	62.8	61.2	60.6	60.1	59.6	59.1	58.9	58.8	58.3
7	64.1	62.8	61.8	60.9	60.1	59.3	58.4	57.8	57.5	56.7
8	67.9	66.8	65.7	64.7	63.6	62.5	61.1	59.8	59.8	58.8
9	69.4	68.4	67.4	66.5	65.6	64.6	63.5	62.7	62.1	61.3
10	68.6	67.3	66.2	65.2	64.2	63.2	62.8	61.3	60.8	60.2
11	68.2	67.8	65.9	64.9	63.8	62.6	61.1	60.1	59.4	58.5
12	66.3	65.1	63.9	63.8	62.2	61.8	60.6	60.8	59.5	58.9
13	66.7	65.7	64.8	64.8	63.2	62.2	61.2	60.4	60.2	59.4
14	66.9	65.9	65.1	64.4	63.6	62.7	61.5	60.6	60.2	59.2
15	66.6	65.7	64.9	64.1	63.2	62.2	61.2	60.5	60.2	59.5
16	67.3	66.3	65.3	64.4	63.6	62.6	61.6	60.8	60.4	60.8
17	67.8	66.8	65.8	64.1	63.2	62.2	61.1	60.4	60.1	59.3
18	67.3	66.3	65.4	64.5	63.6	62.6	61.4	60.6	60.3	59.8
19	66.1	65.1	64.3	63.5	62.7	61.9	60.9	60.3	60.1	59.2
20	65.5	64.5	63.6	62.8	62.1	61.3	60.4	59.8	59.4	58.9
21	64.8	63.9	63.1	62.3	61.6	60.8	60.1	59.4	59.2	58.9
22	65.1	64.1	63.3	62.4	61.7	60.8	59.9	59.2	59.8	58.3
23	64.8	63.8	62.2	61.5	60.7	59.9	59.1	58.5	58.1	57.7
24	63.6	62.7	61.9	61.2	60.5	59.7	58.9	58.3	58.8	57.6

FIGURE B-68(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0202

SITE # 202



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ".".	WEIGHTING	WEIGHTED LEQ
MAX	100.0	100.0	0.	67.8
MIN	56.3	55.0	0.	71.4
NPL	78.8	75.2	10.	72.9
SIG	4.8	3.6	12.	74.5
LEQ	68.6	66.0		
TNI	78.0	68.2		
L1	78.1	74.5		
L3	74.5	70.8		
L5	72.9	69.2		
L10	70.7	66.7		
L20	68.5	64.1		
L30	67.1	62.6		
L40	65.9	61.6		
L50	64.9	60.9		
L60	64.1	60.2		
L70	63.1	59.7		
L80	62.1	59.3		
L90	61.0	58.8		
L95	60.2	58.2		
L97	59.8	57.8		
L99	59.0	57.2		

FIGURE B-68(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0202

L_{DN}: 68.0 dB

ρ: 87,200 $\frac{\text{people}}{\text{sq.mi.}}$

SITE: 0203

Address: 91st btwn Central Pk. & Columbus, New York, NY

Microphone Height: 46.0 m.

Distance to Curb: 3.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-69(a). DESCRIPTION OF NEW YORK CITY SITE 0203

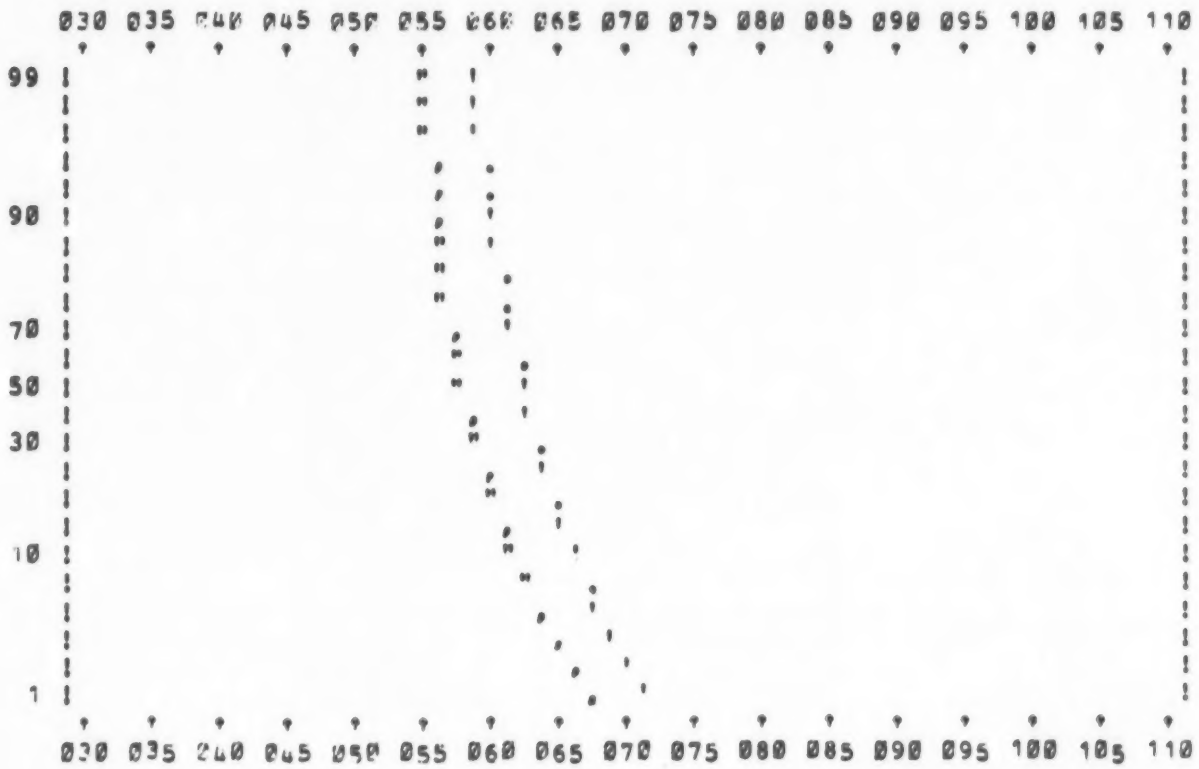
SITE # 203

HR	MAX	MIN	AVL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	81.3	55.0	66.3	2.3	60.4	47.7	67.7	64.6	63.5	62.1	60.8
2	76.3	53.6	64.5	2.2	59.0	45.4	65.7	63.3	62.3	61.0	59.5
3	78.8	53.6	63.2	1.9	58.2	43.4	64.1	62.2	61.2	60.0	58.7
4	75.0	53.6	63.1	2.0	58.0	43.3	64.7	62.4	61.4	59.9	58.4
5	70.0	53.6	62.0	1.7	57.6	41.4	63.7	61.6	60.7	59.4	58.1
6	81.3	53.6	64.2	2.2	58.7	44.6	66.1	63.6	62.2	60.6	59.1
7	76.3	55.0	66.3	2.4	60.3	49.0	67.3	65.0	63.8	62.4	61.0
8	81.3	56.3	73.1	3.3	64.7	62.2	73.5	70.8	69.5	67.6	65.1
9	81.3	57.5	70.9	2.6	64.3	55.3	71.4	69.2	68.1	66.7	65.2
10	88.8	56.3	70.6	2.6	63.9	55.7	70.8	68.9	67.9	66.3	64.7
11	87.5	57.5	74.4	3.2	66.1	58.0	76.9	71.2	69.5	67.3	65.4
12	80.0	56.3	69.7	2.4	63.6	53.6	70.2	68.3	67.3	66.0	64.7
13	85.0	56.3	71.4	2.6	64.2	55.7	71.6	68.8	67.6	66.2	64.6
14	81.3	56.3	69.8	2.3	63.8	53.4	70.2	68.5	67.5	66.1	64.8
15	95.0	57.5	72.6	2.7	65.7	54.0	72.2	69.1	67.9	66.4	64.9
16	91.3	56.3	71.5	2.6	64.7	54.7	71.0	68.8	67.8	66.3	64.
17	85.0	57.5	71.6	2.7	64.8	56.6	72.4	70.2	68.9	67.1	65.5
18	83.8	57.5	71.4	2.6	64.6	55.7	72.2	69.8	68.6	66.9	65.3
19	80.0	56.3	69.5	2.4	63.4	52.7	70.5	68.3	67.2	65.6	64.2
20	86.3	56.3	69.8	2.5	63.5	53.1	70.8	68.5	67.2	65.7	64.2
21	86.3	57.5	68.5	2.1	63.2	48.9	69.5	67.2	66.1	64.9	63.7
22	87.5	57.5	74.4	3.4	65.6	56.0	77.2	71.1	69.3	66.6	64.3
23	96.3	56.3	73.7	3.2	65.6	51.2	74.2	69.1	66.4	63.9	62.3
24	90.0	56.3	69.5	2.7	62.5	49.9	71.2	67.0	65.2	63.4	61.9

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	59.9	59.4	58.8	58.4	58.0	57.6	57.0	56.6	56.4	56.3
2	58.6	58.1	57.5	57.2	56.9	56.6	56.2	55.6	55.4	55.1
3	57.9	57.4	57.0	56.7	56.4	56.0	55.5	55.2	55.1	55.0
4	57.5	57.1	56.8	56.5	56.2	55.8	55.4	55.2	55.1	55.0
5	57.4	57.1	56.8	56.6	56.3	55.9	55.4	55.2	55.1	55.0
6	58.3	57.6	57.3	57.0	56.7	56.4	55.9	55.5	55.3	55.1
7	60.0	59.4	58.8	58.4	57.9	57.5	56.8	56.5	56.4	56.3
8	63.9	63.1	62.4	61.8	61.1	60.4	59.3	58.7	58.1	57.6
9	64.3	63.5	63.0	62.4	61.9	61.3	60.4	60.0	59.4	58.9
10	63.7	63.0	62.3	61.8	61.2	60.5	59.8	59.2	58.9	58.2
11	64.4	63.6	63.0	62.4	61.8	61.2	60.4	59.8	59.3	58.8
12	63.7	63.1	62.5	62.0	61.5	60.8	60.1	59.5	59.1	58.8
13	63.6	62.9	62.3	61.7	61.1	60.5	59.7	59.1	58.8	58.1
14	63.9	63.3	62.8	62.2	61.7	61.2	60.4	59.9	59.4	58.9
15	64.2	63.5	63.0	62.4	61.9	61.4	60.5	60.1	59.6	59.0
16	63.9	63.2	62.6	62.0	61.5	60.9	60.2	59.6	59.2	58.8
17	64.6	63.8	63.2	62.7	62.1	61.5	60.6	60.1	59.8	59.0
18	64.4	63.7	63.1	62.5	62.0	61.4	60.6	60.1	59.8	59.1
19	63.4	62.7	62.1	61.6	61.1	60.5	60.0	59.3	59.0	58.6
20	63.3	62.6	62.1	61.6	61.0	60.5	60.0	59.3	59.0	58.8
21	63.1	62.5	62.1	61.7	61.3	60.8	60.3	60.0	59.5	59.0
22	63.2	62.3	61.7	61.1	60.6	60.1	59.4	59.0	58.9	58.5
23	61.4	60.6	60.2	59.7	59.3	58.9	58.2	57.8	57.7	57.5
24	61.0	60.4	59.9	59.4	59.0	58.5	57.9	57.7	57.6	56.9

FIGURE B-69(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0203

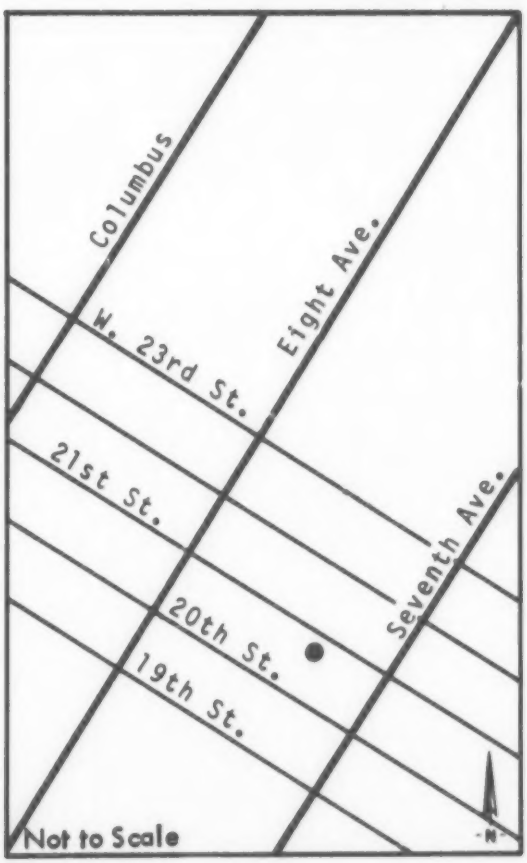
SITE # 203



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	95.0	96.3	0.	63.5
MIN	56.3	53.8	8.	66.7
NPL	71.6	67.7	10.	68.0
SIG	2.7	2.7	12.	69.6
LEQ	64.5	60.9		
TNI	55.2	49.7		
L1	72.0	68.1		
L3	69.4	64.6		
L5	68.1	63.4		
L10	66.4	61.9		
L20	64.8	60.4		
L30	63.9	59.5		
L40	63.2	58.8		
L50	62.6	58.1		
L60	62.0	57.5		
L70	61.4	57.0		
L80	62.8	56.6		
L90	60.1	56.0		
L95	59.4	55.5		
L97	59.1	55.3		
L99	58.6	55.1		

FIGURE B-69(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0203



L_{DN}:	73.6	dB
ρ:	49,400	people / sq. mi.

SITE: 0204

Address: 220 W. 21st St.
New York, N.Y.

Microphone Height: 19.8 m.

Distance to Curb: 2.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:
Air Conditioner

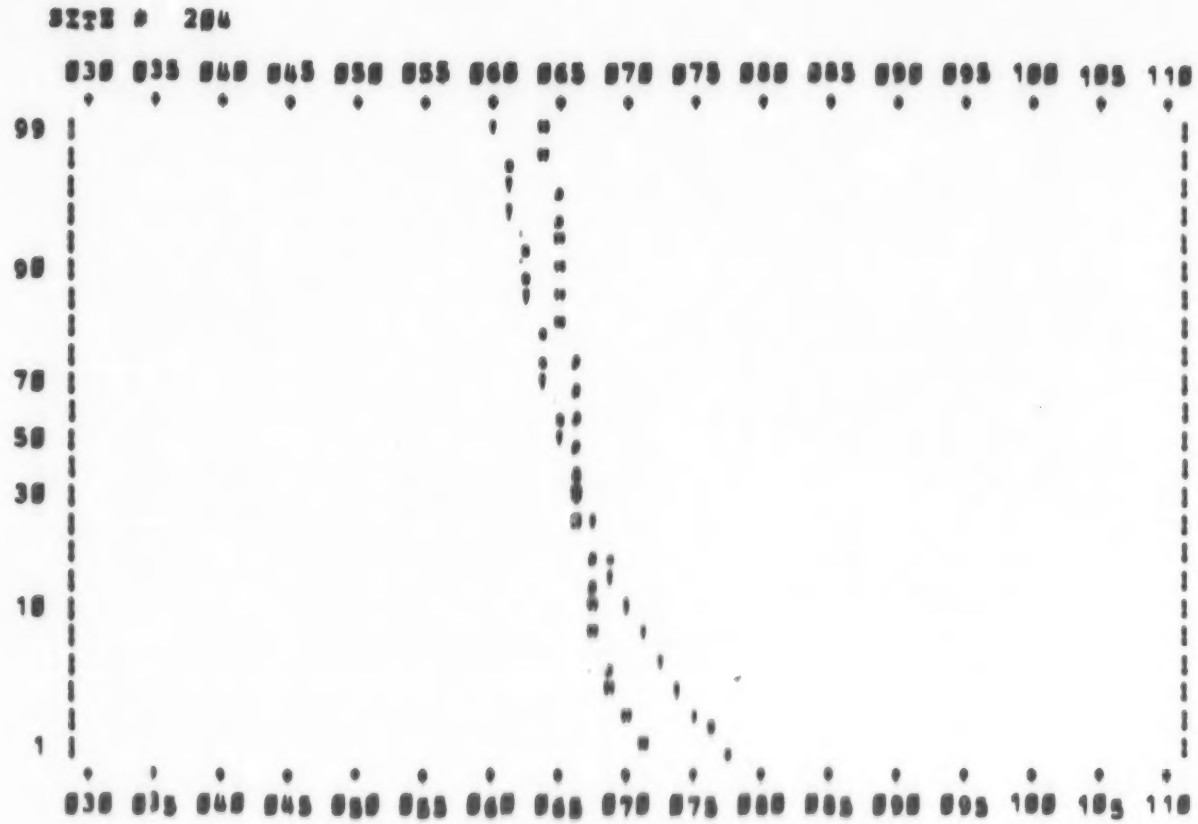
FIGURE B-70(a). DESCRIPTION OF NEW YORK CITY SITE 0204

SITE # 204

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	85.0	63.0	70.1	1.2	67.0	45.5	71.2	69.6	68.7	67.9	67.3
2	90.0	63.0	71.0	1.8	67.1	46.2	73.6	70.3	69.1	67.7	66.7
3	75.0	63.0	68.1	0.9	65.0	41.0	69.4	67.7	67.2	66.4	66.1
4	85.0	63.0	70.2	1.4	66.6	42.2	72.1	68.9	67.9	66.9	66.2
5	90.0	63.0	71.0	1.7	67.4	42.6	72.7	69.3	68.1	67.0	66.2
6	87.5	63.0	70.7	1.5	66.9	44.1	72.0	69.0	68.6	67.4	66.7
7	90.0	63.0	72.5	1.9	67.0	47.0	74.0	70.0	69.6	68.4	67.3
8	87.5	58.0	77.6	3.6	68.4	62.0	78.5	73.9	71.0	69.5	66.9
9	92.5	58.0	79.5	4.0	69.2	69.5	79.5	75.0	74.0	71.1	68.5
10	88.0	57.5	77.7	3.9	67.7	67.0	78.2	74.6	72.6	69.9	67.5
11	90.0	57.5	82.1	4.6	70.4	76.1	81.5	77.4	75.3	72.9	70.3
12	88.0	58.0	79.6	4.0	69.4	71.4	79.5	76.2	74.5	72.3	69.4
13	92.5	58.0	78.4	3.7	68.9	68.7	78.3	75.9	74.2	71.0	69.3
14	86.3	60.0	75.5	3.0	67.0	63.5	75.6	73.4	72.3	70.6	68.6
15	85.0	60.0	75.7	3.0	68.0	62.9	75.0	73.6	72.5	70.9	68.9
16	97.5	60.0	78.2	3.4	69.6	62.0	79.6	75.2	73.2	70.9	68.9
17	88.0	60.0	76.0	3.1	68.1	61.9	77.0	73.0	72.4	70.5	68.6
18	88.0	60.0	75.9	3.0	68.2	62.1	76.7	73.6	72.4	70.6	68.0
19	92.5	60.0	74.0	2.7	67.2	55.5	75.1	71.2	70.0	68.4	67.0
20	91.3	60.0	72.0	2.5	66.3	56.0	73.0	71.0	69.9	68.4	66.9
21	87.5	60.0	70.3	2.1	64.9	50.0	71.5	69.0	67.0	66.5	65.3
22	90.0	60.0	73.3	2.0	66.0	56.3	72.1	69.0	69.1	68.4	67.7
23	90.0	63.0	70.0	1.3	66.6	46.6	70.9	69.2	68.6	67.9	67.2
24	86.3	65.0	70.9	1.3	67.5	46.4	72.4	70.3	69.5	68.6	67.7

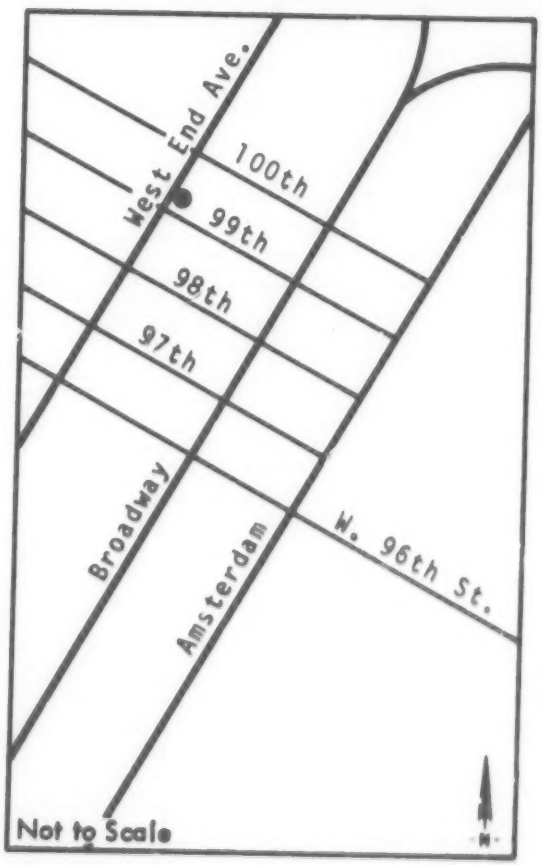
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	67.1	66.9	66.7	66.4	66.2	65.0	65.4	65.2	65.1	65.0
2	66.1	65.9	65.7	65.6	65.4	65.2	64.0	64.3	64.1	63.9
3	65.9	65.0	65.6	65.4	65.3	65.1	64.6	64.2	64.0	63.0
4	66.0	65.9	65.7	65.5	65.4	65.2	65.1	65.0	64.6	64.0
5	66.0	65.9	65.7	65.6	65.4	65.2	65.1	65.0	64.6	64.0
6	66.2	66.0	65.9	65.7	65.5	65.3	65.2	65.1	65.0	65.0
7	66.9	66.5	66.1	65.9	65.7	65.3	65.2	65.1	65.1	65.0
8	65.7	64.9	64.3	63.6	63.0	62.4	61.7	61.3	60.9	60.3
9	67.2	66.2	65.3	64.4	63.6	62.7	61.7	61.0	60.6	60.1
10	66.1	65.0	64.1	63.3	62.5	61.0	60.9	60.3	60.1	59.4
11	68.5	67.2	65.9	64.0	63.0	62.0	61.9	61.2	60.6	59.9
12	67.6	66.4	65.5	64.7	64.0	63.3	62.5	61.0	61.5	61.0
13	67.0	66.7	65.7	64.9	64.2	63.0	62.0	62.4	61.9	61.4
14	67.5	66.6	65.0	65.1	64.5	63.9	63.0	62.6	62.2	61.5
15	67.7	66.0	66.0	65.4	64.0	64.2	63.5	62.9	62.7	62.0
16	67.7	66.0	66.1	65.5	64.0	64.3	63.6	63.0	62.7	62.2
17	67.5	66.6	65.0	65.2	64.6	64.0	63.3	62.0	62.6	62.0
18	67.7	66.0	66.1	65.4	64.0	64.2	63.4	62.0	62.6	61.0
19	66.1	65.4	64.9	64.4	63.9	63.4	62.0	62.4	61.9	61.4
20	65.9	65.2	64.7	64.2	63.6	63.1	62.5	61.9	61.6	61.3
21	64.5	63.9	63.5	63.1	62.7	62.3	61.7	61.5	61.4	61.3
22	67.2	66.0	66.5	65.4	64.0	63.2	62.5	61.9	61.6	61.3
23	66.7	66.3	66.0	65.0	65.5	65.2	65.0	64.4	64.1	63.9
24	67.3	67.2	67.0	66.0	66.6	66.4	65.9	65.5	65.3	65.1

FIGURE B-70(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0204



	DAY '.'%	NIGHT "."%	WEIGHTING	WEIGHTED LEQ
MAX	97.5	90.0	0.	67.8
MIN	57.5	63.0	0.	72.1
MPL	77.0	71.0	10.	73.6
SIG	3.4	1.5	12.	75.3
LEQ	68.3	67.8		
THI	64.0	45.3		
L1	77.6	72.3		
L3	74.2	69.7		
L5	72.5	68.7		
L10	70.4	67.7		
L20	68.3	67.1		
L30	67.1	66.6		
L40	66.1	66.2		
L50	65.3	66.0		
L60	64.6	65.8		
L70	64.0	65.5		
L80	63.2	65.3		
L90	62.5	65.1		
L95	61.7	64.9		
L97	61.4	64.5		
L99	60.5	64.0		

FIGURE B-70(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0204



L_{DN}:	69.5	dB
ρ:	40,000	people / sq. mi.

SITE: 0205

Address: 808 West End Ave, #201
New York, N.Y.

Microphone Height: 38.2 m.

Distance to Curb: 3.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

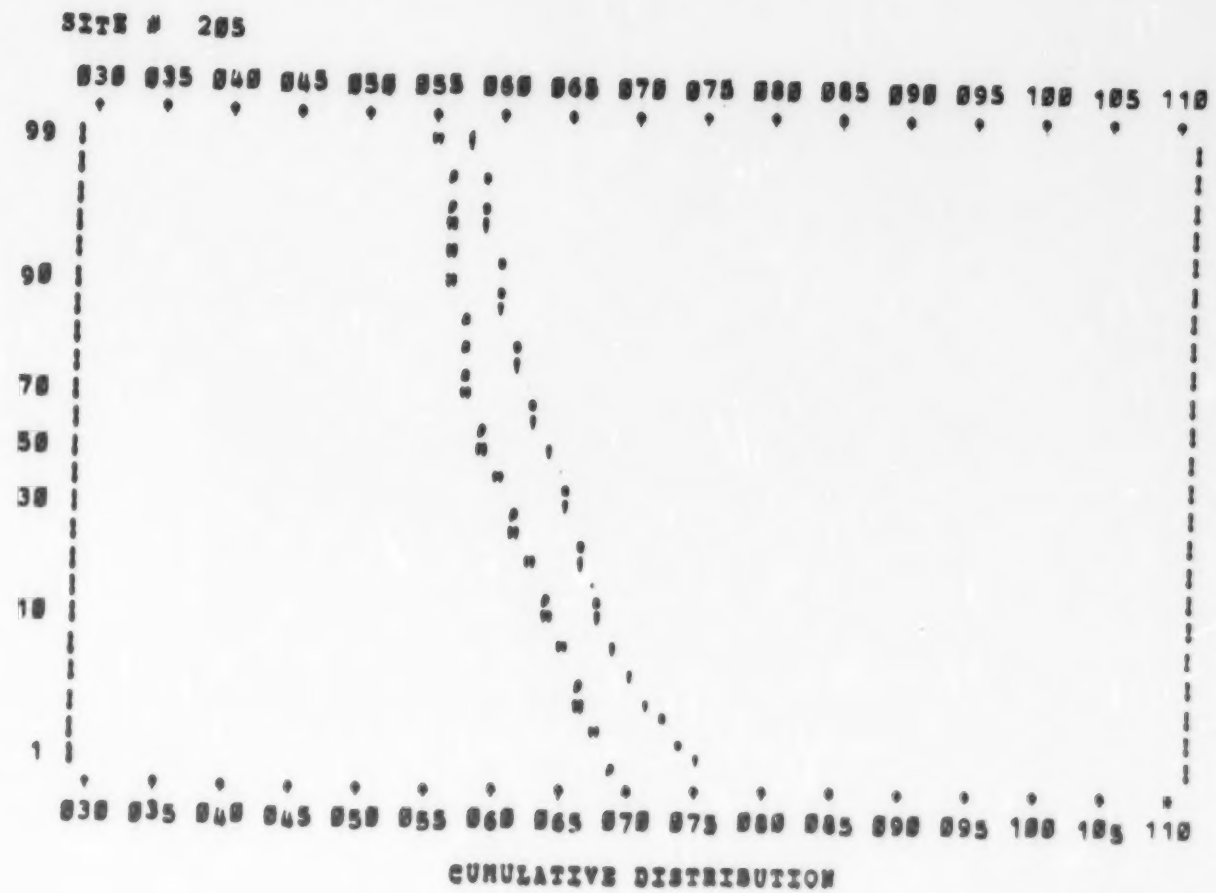
FIGURE B-71(a). DESCRIPTION OF NEW YORK CITY SITE 0205

SITE # 205

HR	MAX	MIN	MPL	SIG	L90	TNI	L1	L3	L5	L10	L20
1	85.8	56.3	69.8	2.8	62.7	55.8	70.8	67.4	66.3	65.8	63.6
2	87.5	55.8	68.1	2.6	61.4	51.8	67.5	65.3	64.3	62.9	61.3
3	93.8	55.8	66.6	2.4	60.4	49.5	66.9	64.7	63.8	62.3	60.3
4	77.5	55.8	65.6	2.4	59.5	47.9	67.3	64.6	63.4	61.8	59.9
5	78.8	55.8	64.8	2.1	58.6	43.1	66.8	63.4	62.1	60.2	58.6
6	82.5	53.8	65.8	2.3	59.2	46.1	68.8	63.6	62.4	61.8	59.1
7	80.8	55.8	68.7	2.9	61.3	54.8	69.1	66.3	65.1	63.7	62.1
8	86.3	55.8	74.8	3.7	65.1	64.4	73.8	70.7	69.3	67.6	66.8
9	88.8	56.3	86.3	5.9	71.1	96.9	78.5	77.7	77.3	76.8	75.1
10	82.5	55.8	75.8	3.9	69.9	68.8	73.9	72.8	71.7	68.9	66.9
11	85.8	56.3	74.8	3.4	66.2	64.6	73.5	72.1	70.8	68.9	67.3
12	85.8	55.8	73.1	3.2	65.8	61.1	73.8	69.9	68.7	67.4	66.8
13	83.8	55.8	74.1	3.4	65.4	63.7	73.8	70.6	69.4	68.1	66.7
14	85.8	56.3	76.4	3.8	66.6	66.8	76.9	73.8	71.8	68.8	66.9
15	88.8	56.3	73.8	3.3	65.3	62.6	73.5	70.5	69.2	67.7	66.2
16	101.2	55.8	81.5	4.1	70.9	85.7	78.8	71.4	69.9	68.3	66.7
17	93.8	56.3	76.8	3.8	66.3	67.9	74.2	71.7	70.5	69.8	67.5
18	93.3	57.5	75.5	3.5	66.7	63.5	75.9	71.6	70.1	68.7	67.2
19	100.8	57.5	82.6	4.2	71.9	84.9	82.4	73.7	71.6	69.2	67.4
20	86.3	57.5	72.9	2.9	65.4	59.3	73.2	70.4	69.2	67.8	66.5
21	83.8	57.5	70.9	2.6	64.3	56.6	70.8	68.5	67.8	66.9	65.7
22	82.5	57.5	70.7	2.5	64.2	54.2	71.6	68.4	67.4	66.2	65.1
23	93.8	57.5	70.6	2.5	64.1	54.7	69.9	68.8	67.2	66.2	65.2
24	86.3	57.5	71.9	3.8	64.2	58.5	72.8	69.2	67.9	66.6	65.2

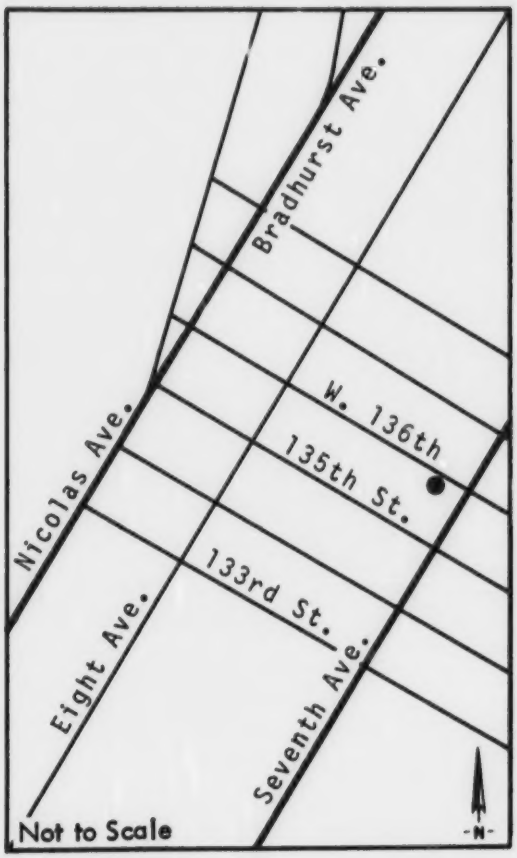
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	62.6	61.8	61.0	60.3	59.7	59.1	58.3	57.9	57.7	57.3
2	60.2	59.4	58.8	58.4	58.0	57.6	56.9	56.6	56.4	56.3
3	59.2	58.5	58.0	57.8	57.2	56.8	56.5	56.4	56.3	55.7
4	58.9	58.3	57.7	57.3	57.0	56.8	56.5	56.3	56.3	55.5
5	57.8	57.3	57.1	56.9	56.6	56.4	55.9	55.5	55.3	55.1
6	58.2	57.5	57.2	57.0	56.7	56.4	56.0	55.5	55.3	55.1
7	60.9	60.0	59.2	58.5	57.9	57.3	56.7	56.5	56.3	55.9
8	64.8	63.7	62.8	61.7	60.7	59.7	58.7	57.9	57.6	56.7
9	67.8	66.1	64.9	63.9	62.9	61.7	60.2	59.2	58.8	57.9
10	65.7	64.6	63.7	62.7	61.8	60.4	59.1	58.3	57.9	57.4
11	66.4	65.5	64.7	63.8	62.7	61.6	60.4	59.5	59.1	58.3
12	65.1	64.3	63.5	62.7	61.7	60.7	59.6	58.9	58.4	57.7
13	65.7	64.7	63.9	63.0	61.9	60.8	59.8	58.8	58.2	57.6
14	65.7	64.8	63.9	63.0	62.1	61.0	59.8	58.9	58.4	57.7
15	65.2	64.3	63.5	62.6	61.6	60.6	59.4	58.8	58.3	57.7
16	65.7	64.8	63.9	62.9	61.9	60.8	59.2	58.3	57.9	57.8
17	66.5	65.6	64.6	63.4	61.9	60.6	59.3	58.6	58.1	57.7
18	66.2	65.4	64.6	63.7	62.5	61.4	60.4	59.7	59.3	58.8
19	66.3	65.5	64.7	63.8	62.8	61.7	60.7	60.1	59.7	59.0
20	65.6	64.8	64.1	63.3	62.4	61.6	60.7	60.2	59.8	59.1
21	64.8	64.1	63.3	62.5	61.8	61.0	60.3	59.8	59.4	58.9
22	64.4	63.6	63.0	62.3	61.6	60.9	60.2	59.7	59.3	58.9
23	64.3	63.5	62.7	61.9	61.2	60.6	60.0	59.4	59.1	58.8
24	64.2	63.4	62.5	61.7	60.9	60.1	59.3	58.9	58.8	57.9

FIGURE B-71(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0205



	DAY '.'.	NIGHT ".".	WEIGHTING	WEIGHTED LEQ
MAX	101.2	93.8	0.	65.9
MIN	55.8	53.8	8.	68.3
MPL	76.5	69.9	10.	69.5
SIG	3.6	3.2	12.	70.8
LEQ	67.2	61.7		
TNI	63.8	58.3		
L1	75.9	69.1		
L3	71.9	66.9		
L5	70.8	65.9		
L10	68.3	64.5		
L20	66.7	62.6		
L30	65.6	61.3		
L40	64.7	60.2		
L50	63.9	59.2		
L60	62.9	58.4		
L70	61.9	57.6		
L80	60.9	57.1		
L90	59.8	56.6		
L95	59.0	56.3		
L97	58.5	56.0		
L99	57.7	55.3		

FIGURE B-71(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0205



L_{DN}:	71.6	dB
ρ:	76,900	people / sq.mi.

SITE: 0207

Address: 204 W. 136th St.
New York, N.Y.

Microphone Height: 6.1 m.

Distance to Curb: 4.3 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-72(a). DESCRIPTION OF NEW YORK CITY SITE 0207

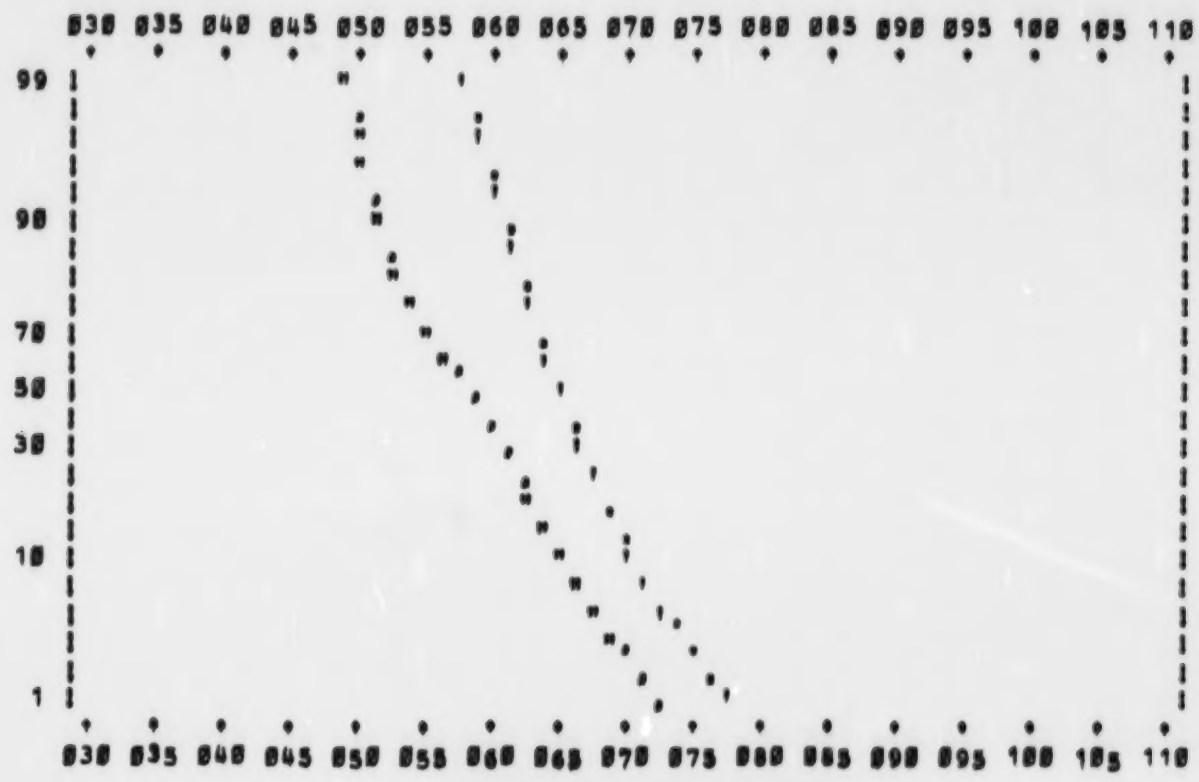
SITE # 207

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	86.3	50.0	76.5	4.5	65.0	73.2	74.3	71.8	70.4	68.3	65.9
2	80.0	48.8	72.1	4.5	60.7	67.6	69.9	67.2	65.7	63.6	61.5
3	83.8	47.5	69.7	4.2	58.9	63.0	68.1	65.0	63.4	61.5	59.5
4	96.3	47.5	78.8	5.1	65.8	67.0	74.0	66.6	64.4	62.2	59.7
5	83.8	47.5	68.6	4.3	57.6	63.1	66.8	63.9	62.5	60.7	58.3
6	77.5	47.5	71.0	4.6	59.2	66.6	69.4	66.2	64.4	62.3	59.9
7	91.3	48.8	76.4	5.2	63.1	76.0	72.8	69.7	68.0	65.8	63.3
8	87.5	51.3	79.0	4.7	67.1	75.7	76.3	73.7	72.3	70.0	67.8
9	93.8	52.5	87.8	5.9	72.0	89.4	84.1	80.2	77.9	74.6	70.7
10	88.8	52.5	76.0	3.8	66.1	67.7	74.4	71.5	70.4	68.7	66.9
11	83.8	57.5	79.6	4.4	68.3	72.9	79.0	76.2	74.4	72.9	68.2
12	100.0	57.5	81.1	4.3	70.1	73.7	79.3	76.1	74.5	72.0	69.3
13	106.2	56.3	85.2	4.2	74.3	71.6	79.6	75.6	74.1	71.7	68.9
14	92.5	57.5	78.0	3.7	68.5	67.3	77.5	74.4	72.9	70.6	68.2
15	97.5	57.5	78.5	3.8	68.8	67.9	77.0	73.6	72.3	70.4	68.3
16	93.8	56.3	76.7	3.5	67.7	65.5	76.4	73.1	71.8	69.9	68.0
17	88.8	57.5	77.1	3.6	67.8	67.6	76.5	74.0	72.5	70.5	68.5
18	95.0	56.3	78.5	3.7	69.0	68.4	77.0	74.5	73.2	71.2	69.2
19	96.3	56.3	79.2	3.8	69.4	69.0	78.1	74.7	73.4	71.5	69.4
20	88.8	56.3	75.1	3.3	66.7	64.0	74.8	72.4	71.2	69.4	67.4
21	91.3	56.3	76.3	3.2	68.0	62.9	76.8	73.6	72.1	70.2	68.5
22	87.5	55.0	77.3	3.8	67.5	65.6	78.4	72.9	71.0	69.3	67.5
23	97.5	53.8	78.0	4.0	67.7	64.5	77.2	71.3	69.7	67.4	65.3
24	87.5	51.3	77.2	4.7	65.3	74.3	75.1	72.3	70.8	68.4	65.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	64.3	63.1	62.0	60.9	59.8	58.5	56.7	55.5	54.9	53.8
2	60.0	58.8	57.6	56.4	55.0	53.7	52.2	51.3	50.8	50.2
3	58.1	56.8	55.6	54.4	53.2	52.1	51.0	50.4	50.1	49.3
4	58.1	56.7	55.3	54.0	52.9	51.7	50.6	50.1	49.7	49.0
5	56.6	55.1	53.7	52.5	51.5	50.7	49.8	49.3	49.0	48.8
6	58.0	56.3	54.8	53.6	52.6	51.6	50.9	50.3	50.1	49.3
7	61.7	60.1	58.6	57.1	55.5	53.9	52.4	51.6	51.2	50.3
8	66.2	64.9	63.8	62.8	61.6	60.3	58.2	56.7	55.9	54.5
9	68.5	66.9	65.5	64.4	63.2	61.7	59.6	58.1	57.3	56.0
10	65.5	64.5	63.6	62.7	61.8	60.6	59.0	57.8	57.0	56.0
11	66.3	65.2	64.3	63.3	62.3	61.3	60.2	59.5	59.2	58.8
12	67.7	66.5	65.5	64.6	63.7	62.7	61.4	60.5	60.1	59.2
13	67.4	66.3	65.5	64.7	63.9	63.0	61.8	60.9	60.3	59.4
14	66.8	65.8	65.0	64.3	63.6	62.8	61.7	61.0	60.4	59.6
15	66.9	65.9	64.9	64.1	63.2	62.4	61.3	60.4	60.0	59.0
16	66.7	65.7	64.9	64.2	63.4	62.6	61.4	60.6	60.2	59.2
17	67.2	66.2	65.3	64.5	63.7	62.7	61.5	60.6	60.1	59.2
18	67.9	66.9	66.0	65.2	64.3	63.4	62.2	61.2	60.5	59.3
19	68.0	67.0	66.1	65.3	64.4	63.5	62.3	61.4	60.6	59.4
20	66.2	65.4	64.7	64.0	63.2	62.4	61.2	60.2	59.6	58.9
21	67.5	66.8	66.1	65.4	64.7	63.8	62.6	61.5	60.8	59.7
22	66.4	65.4	64.5	63.7	62.8	61.8	60.5	59.4	58.9	57.8
23	63.9	63.0	62.2	61.4	60.5	59.5	58.3	57.5	56.9	56.2
24	64.0	62.8	61.6	60.5	59.3	58.0	56.5	55.4	54.9	54.0

FIGURE B-72(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0207

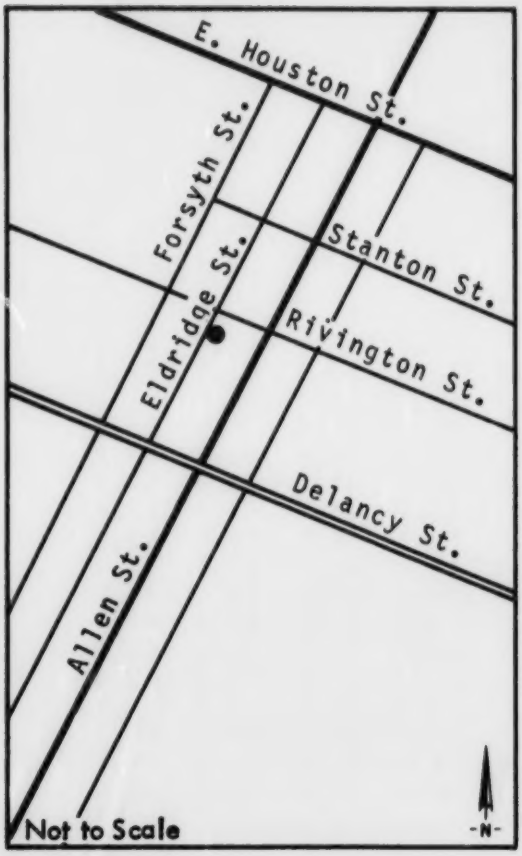
SITE # 207



CUMULATIVE DISTRIBUTION

	DAY '.'%	NIGHT ','%	WEIGHTING	WEIGHTED LEQ
MAX	106.2	97.5	0.	68.0
MIN	51.3	47.5	0.	78.5
MPL	79.9	77.8	10.	71.6
SIG	4.1	5.5	12.	73.0
LEQ	69.4	63.8		
TNI	69.9	77.4		
L1	78.3	73.0		
L3	74.6	69.6		
L5	73.0	67.8		
L10	70.7	65.5		
L20	68.5	63.0		
L30	67.1	61.3		
L40	66.0	59.8		
L50	65.1	58.3		
L60	64.3	56.8		
L70	63.4	55.1		
L80	62.4	53.3		
L90	61.0	51.5		
L95	59.9	50.5		
L97	59.0	50.1		
L99	57.3	49.3		

FIGURE B-72(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0207



L_{DN}:	72.2	dB
ρ:	72,500	people / sq.mi.

SITE: 0208

Address: 184 Eldridge St.
New York, N.Y.

Microphone Height: 15.2 m.

Distance to Curb: 3.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-73(a). DESCRIPTION OF NEW YORK CITY SITE 0208

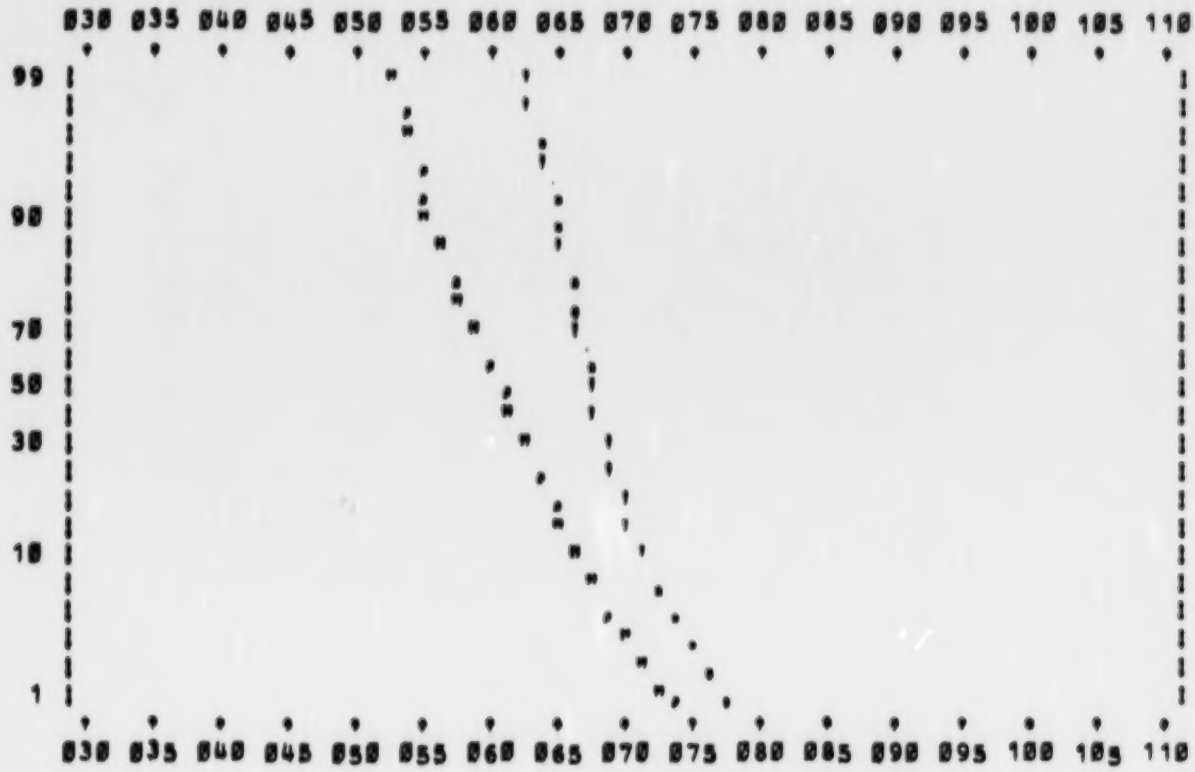
SITE # 208

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	88.8	56.3	74.1	3.3	65.7	55.3	77.9	69.9	68.2	66.8	64.4
2	92.5	55.8	70.7	2.9	63.2	51.8	70.2	67.3	65.8	63.6	61.7
3	86.3	52.5	73.4	3.8	63.6	57.6	75.2	71.3	68.1	64.5	61.7
4	86.3	51.3	75.7	4.7	63.7	63.4	76.8	69.8	67.4	63.8	60.6
5	81.3	51.3	66.7	3.2	58.6	51.1	67.4	64.5	62.8	60.4	58.4
6	85.8	52.5	68.7	2.8	61.5	54.6	68.5	66.1	65.0	63.7	62.2
7	88.8	57.5	72.4	2.9	64.9	59.4	72.4	70.2	69.0	67.5	66.0
8	87.5	58.8	78.6	3.9	68.7	70.6	77.4	75.6	74.2	71.7	69.5
9	92.5	60.0	75.7	2.9	68.3	60.3	76.8	73.7	72.2	70.4	68.6
10	88.8	61.3	77.9	3.1	70.0	64.3	78.8	75.4	74.0	72.4	70.6
11	91.3	61.3	79.0	3.3	70.5	65.5	79.8	76.8	75.0	72.7	70.6
12	88.8	61.3	76.2	2.6	69.4	59.1	77.5	74.5	73.1	71.3	69.8
13	86.3	61.3	74.9	2.7	68.1	57.6	76.6	73.5	71.9	70.0	68.5
14	90.0	61.3	75.3	2.7	68.3	58.9	76.3	73.4	71.9	70.2	68.7
15	83.8	61.3	73.4	2.2	67.7	56.1	74.1	72.1	71.1	69.8	68.6
16	87.5	62.5	76.5	2.6	69.7	60.4	77.4	74.3	73.2	71.8	70.4
17	91.3	61.3	78.2	2.9	70.7	61.9	79.9	76.8	74.4	72.4	70.9
18	91.3	62.5	75.5	2.5	69.2	59.5	76.0	73.8	72.9	71.4	69.9
19	85.0	61.3	74.5	2.3	68.7	57.3	75.2	73.0	72.1	70.8	69.6
20	86.3	63.8	75.5	2.2	69.9	57.9	76.2	74.3	73.3	72.0	70.7
21	90.0	63.8	76.4	2.4	70.3	58.3	77.3	74.6	73.5	72.1	70.8
22	90.0	62.5	79.2	3.1	71.2	61.8	82.0	76.6	74.5	72.3	70.8
23	91.3	60.0	76.8	3.2	68.7	62.6	77.0	73.5	72.2	70.4	68.5
24	91.3	57.5	72.5	2.7	65.5	53.9	72.0	69.2	68.0	66.2	64.7

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	63.4	62.7	62.1	61.6	61.0	60.4	59.6	59.0	58.8	57.9
2	60.7	60.0	59.5	59.0	58.5	58.0	57.5	56.9	56.6	56.2
3	60.3	59.5	58.8	58.4	58.0	57.5	56.8	56.5	56.3	55.5
4	58.9	57.7	56.6	55.8	55.1	54.5	53.9	53.3	53.0	52.6
5	57.2	56.2	55.6	55.0	54.5	54.1	53.5	53.0	52.8	52.6
6	61.3	60.7	60.2	59.6	58.9	58.0	56.7	55.8	55.2	54.2
7	64.8	63.9	63.2	62.5	61.8	61.1	60.3	59.6	59.3	58.9
8	68.1	66.8	65.7	64.8	63.9	63.0	62.0	61.4	60.9	60.3
9	67.5	66.8	66.2	65.6	65.1	64.4	63.8	63.1	62.8	62.5
10	69.5	68.7	68.1	67.4	66.7	65.9	65.1	64.3	64.0	63.2
11	69.4	68.5	67.7	67.1	66.5	65.9	65.1	64.4	64.0	63.3
12	68.9	68.3	67.8	67.2	66.7	66.2	65.4	64.8	64.3	63.8
13	67.5	66.9	66.3	65.8	65.3	64.8	64.1	63.7	63.2	62.7
14	67.8	67.1	66.5	65.9	65.4	64.7	64.0	63.4	63.0	62.6
15	67.7	67.1	66.6	66.1	65.6	65.1	64.4	64.0	63.8	63.1
16	69.6	68.8	68.3	67.7	67.1	66.5	65.6	65.0	64.5	63.9
17	69.9	69.3	68.7	68.1	67.5	66.8	65.9	65.2	64.9	64.0
18	69.0	68.3	67.7	67.2	66.7	66.2	65.4	65.0	64.6	64.0
19	68.7	68.2	67.7	67.1	66.6	66.1	65.3	64.8	64.3	63.9
20	69.8	69.3	68.7	68.3	67.9	67.4	66.7	66.3	66.0	65.3
21	70.0	69.4	68.9	68.4	67.9	67.4	66.7	66.3	65.9	65.3
22	69.8	69.2	68.5	67.9	67.3	66.7	65.8	65.3	65.1	64.2
23	67.4	66.7	66.1	65.5	64.8	64.0	63.0	62.2	61.8	61.4
24	63.7	63.1	62.6	62.1	61.6	61.0	60.3	60.0	59.5	58.9

FIGURE B-73(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0208

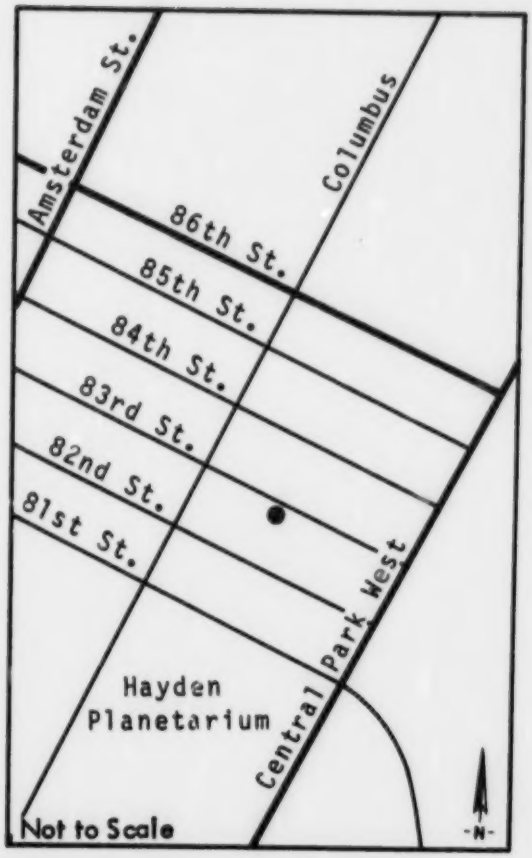
SITE # 208



CUMULATIVE DISTRIBUTION

	DAY '.',	NIGHT '.',	WEIGHTING	WEIGHTED LEQ
MAX	92.5	92.5	8.	68.3
MIN	58.8	51.3	8.	71.8
MPL	77.1	76.8	10.	72.2
SIG	3.8	4.4	12.	73.6
LEQ	69.5	64.7		
TNI	62.2	70.4		
L1	77.6	73.8		
L3	74.7	70.1		
L5	73.3	68.6		
L10	71.6	66.8		
L20	70.8	64.6		
L30	69.1	63.1		
L40	68.4	62.0		
L50	67.7	60.9		
L60	67.1	59.9		
L70	66.4	58.8		
L80	65.7	57.6		
L90	64.7	55.5		
L95	63.9	54.4		
L97	63.4	53.9		
L99	62.4	53.0		

FIGURE B-73(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0208



L_{DN}:	71.1	dB
ρ:	87,200	people / sq.mi.

SITE: 0209

Address: 32 W. 82nd
New York, N.Y.

Microphone Height: 6.1 m.

Distance to Curb: 3.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-74(a). DESCRIPTION OF NEW YORK CITY SITE 0209

SITE # 209

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	87.5	56.3	68.5	2.5	62.1	45.4	71.0	66.8	64.7	62.4	60.9
2	77.5	56.3	67.9	2.6	61.2	44.0	71.7	67.8	65.2	61.8	59.9
3	80.8	56.3	65.8	2.0	60.7	38.4	68.5	63.9	62.3	60.4	59.7
4	80.0	55.0	65.9	2.4	59.8	37.2	71.2	64.1	61.3	59.1	58.4
5	78.8	55.0	68.2	3.0	60.5	38.2	68.8	66.2	65.7	64.4	59.5
6	82.5	55.0	65.5	2.3	59.6	46.3	66.8	64.5	63.4	61.5	59.3
7	85.0	55.0	68.7	2.9	61.3	48.3	70.9	66.8	64.7	62.0	60.0
8	88.8	55.0	71.7	3.4	63.2	60.2	71.8	69.3	67.8	65.8	63.6
9	92.5	55.0	77.4	4.4	66.3	70.7	75.7	72.5	71.0	68.7	66.3
10	102.5	55.0	84.6	4.6	72.7	87.1	80.0	75.0	72.1	68.5	65.6
11	96.3	55.0	90.2	7.0	72.3	102.8	80.8	78.5	77.0	77.0	75.2
12	96.3	56.3	93.5	6.7	76.2	91.2	92.6	81.7	77.6	74.4	69.4
13	91.3	56.3	83.2	5.3	69.7	78.8	81.3	77.8	75.8	71.5	67.8
14	93.8	56.3	74.3	3.7	64.9	64.2	74.1	71.8	70.1	67.5	64.9
15	81.3	61.3	69.7	1.8	65.2	49.3	71.0	68.6	67.9	67.0	65.7
16	92.5	56.3	74.0	3.2	65.7	60.9	73.7	70.9	69.4	67.4	65.6
17	100.0	57.5	76.5	3.7	67.0	66.5	75.5	72.7	71.3	69.2	66.7
18	92.5	57.5	77.8	4.0	67.5	70.8	76.1	73.7	72.5	70.5	67.8
19	96.3	57.5	80.0	4.0	69.7	69.1	78.1	74.3	72.5	70.4	68.1
20	90.0	57.5	74.5	3.4	65.8	62.2	74.5	71.4	70.0	68.1	66.1
21	90.0	58.8	77.3	3.8	67.5	63.3	78.5	73.3	71.1	68.7	66.2
22	97.5	57.5	76.7	3.4	68.1	54.4	75.7	70.1	68.2	65.6	63.3
23	93.8	57.5	74.9	3.5	66.0	56.5	76.5	71.0	68.6	66.0	63.5
24	91.3	56.3	76.2	3.9	66.1	59.4	77.6	72.0	69.7	66.4	63.1

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	60.0	59.7	59.5	59.2	59.0	58.7	58.1	57.8	57.7	57.6
2	59.6	59.2	58.9	58.6	58.3	58.0	57.8	57.6	57.6	57.5
3	59.4	59.0	58.7	58.5	58.2	58.0	57.7	57.6	57.6	57.5
4	58.8	57.6	57.4	57.1	56.9	56.7	56.5	56.4	56.3	56.3
5	58.5	58.1	57.7	57.4	57.1	56.8	56.5	56.4	56.3	56.3
6	58.5	58.2	57.8	57.5	57.1	56.8	56.5	56.4	56.3	56.3
7	59.0	58.5	58.1	57.7	57.3	57.0	56.6	56.4	56.3	56.3
8	62.3	61.2	60.4	59.7	59.0	58.3	57.7	57.1	56.7	56.4
9	64.5	63.1	61.8	60.7	59.7	58.9	58.0	57.6	57.1	56.5
10	64.0	62.8	61.9	61.1	60.5	59.9	59.0	58.1	57.4	56.5
11	68.2	65.4	63.5	62.1	60.9	59.7	58.4	57.7	57.2	56.5
12	67.5	65.9	63.5	61.9	60.6	59.6	58.8	58.1	57.8	57.5
13	65.6	64.0	62.8	61.8	60.9	60.0	59.1	58.4	58.0	57.6
14	63.5	62.3	61.5	60.7	60.1	59.4	58.6	58.0	57.7	57.4
15	64.9	64.6	64.3	63.9	63.6	63.2	62.9	62.7	62.6	62.5
16	64.6	63.9	63.3	62.7	61.9	60.8	59.5	58.9	58.6	57.9
17	65.0	64.0	63.2	62.4	61.6	60.8	60.1	59.4	59.1	58.8
18	65.9	64.6	63.6	62.7	62.0	61.2	60.4	60.0	59.5	59.0
19	66.6	65.5	64.5	63.5	62.6	61.8	60.8	60.3	60.1	59.3
20	64.9	63.9	63.0	62.2	61.5	60.8	60.1	59.4	59.1	58.9
21	64.7	63.7	62.9	62.2	61.7	61.1	60.4	60.1	59.9	59.1
22	62.2	61.5	61.0	60.7	60.3	60.0	59.3	59.0	58.9	58.8
23	62.3	61.4	60.9	60.5	60.1	59.7	59.2	59.0	58.9	58.8
24	61.3	60.5	59.9	59.6	59.4	59.1	58.8	58.2	57.9	57.6

FIGURE B-74(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0209

	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	102.5	93.8	0.	68.3
MIN	55.0	55.0	0.	70.2
MPL	81.8	70.6	10.	71.1
SIG	4.7	3.1	12.	72.3
LEQ	69.8	62.6		
THI	71.1	52.2		
L1	78.7	72.3		
L3	75.8	67.7		
L5	73.8	65.8		
L10	69.6	63.2		
L20	66.6	60.8		
L30	64.9	59.8		
L40	63.6	59.3		
L50	62.6	58.8		
L60	61.7	58.4		
L70	60.9	57.9		
L80	60.1	57.5		
L90	59.1	56.9		
L95	58.3	56.6		
L97	57.8	56.4		
L99	57.0	56.3		

FIGURE B-74(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0209

L_{DN}:	71.5 dB
ρ:	72,500 people/sq.mi.

SITE: 0211

Address: 197 E. Broadway
New York, N.Y.

Microphone Height: 11.0 m.

Distance to Curb: 4.3 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

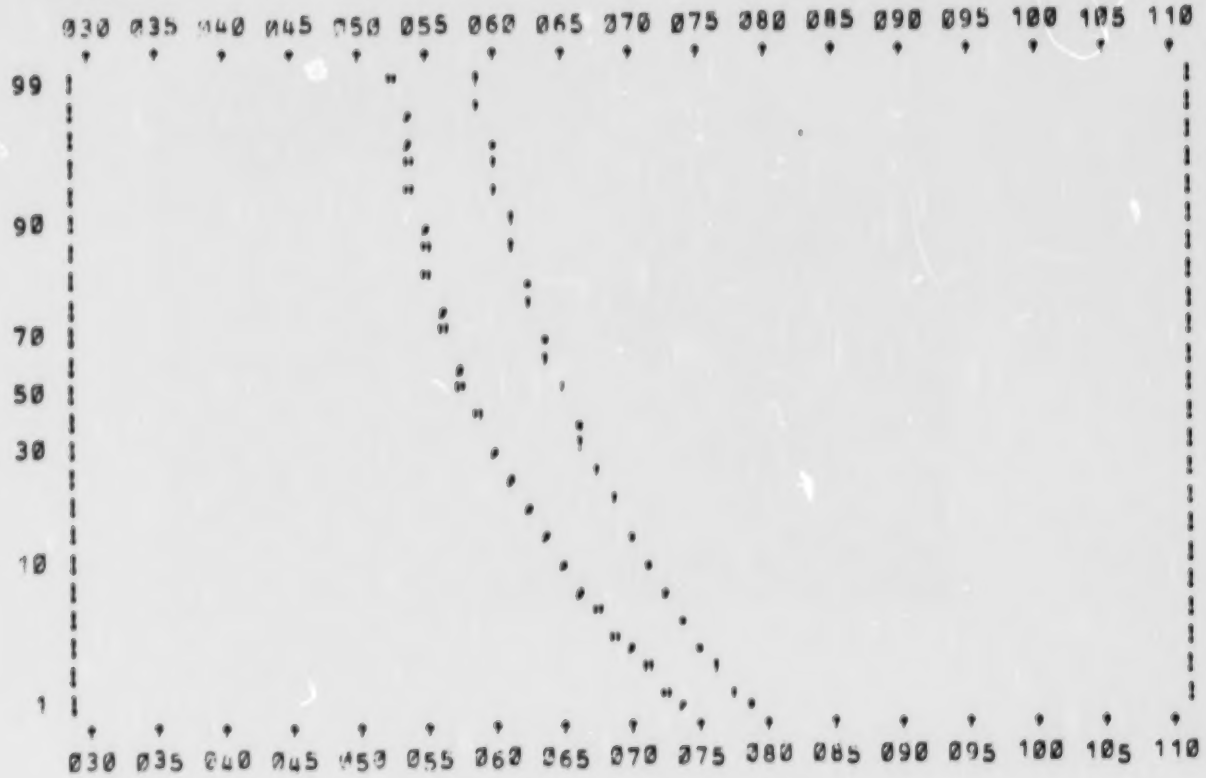
FIGURE B-75(a). DESCRIPTION OF NEW YORK CITY SITE 0211

SITE # 211

HR	MAX	MIN	HPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	88.8	52.5	73.6	4.2	63.0	63.7	73.7	69.3	67.4	64.8	61.7
2	81.3	51.3	67.4	3.1	59.4	51.0	68.6	65.2	63.2	60.9	58.7
3	82.5	51.3	68.6	3.4	59.8	52.5	69.8	66.0	63.9	61.0	58.6
4	80.0	51.3	67.0	3.1	59.1	47.3	70.4	64.1	62.1	59.8	58.1
5	80.0	51.3	67.3	3.2	59.1	51.5	68.8	64.8	63.0	60.8	58.6
6	91.3	52.5	75.1	4.1	64.5	61.1	74.8	70.7	68.0	64.5	61.8
7	90.0	53.8	80.9	5.0	68.1	73.5	80.8	75.4	72.7	69.3	66.0
8	92.5	56.3	80.2	4.3	69.1	71.3	79.8	75.5	73.3	70.9	68.2
9	105.0	60.0	85.9	4.3	75.0	73.0	83.9	79.1	77.0	74.3	72.0
10	92.5	58.8	77.8	3.3	69.4	64.6	78.6	74.9	73.5	71.6	69.7
11	86.3	56.8	80.4	4.1	69.9	75.3	78.5	75.3	74.5	73.5	72.5
12	88.8	58.8	78.7	3.6	69.4	67.3	79.6	75.7	73.9	71.7	69.4
13	102.5	58.8	82.3	3.9	72.4	65.0	79.9	74.9	72.8	70.3	68.2
14	85.0	58.8	76.6	3.4	68.2	63.8	78.2	74.0	72.3	70.4	68.3
15	91.3	58.8	77.4	3.4	68.6	63.4	79.0	74.6	72.7	70.4	68.4
16	96.3	58.8	77.2	3.4	68.5	62.9	78.7	74.7	72.8	70.3	68.2
17											
18	91.3	57.5	76.4	3.5	67.6	64.0	77.0	73.6	71.8	69.8	67.6
19	92.5	56.3	76.9	3.8	67.2	65.1	78.0	72.7	70.9	69.0	67.1
20	85.0	56.3	74.4	3.4	65.6	62.6	75.1	72.0	70.5	68.2	66.0
21	87.5	56.3	75.4	3.6	66.1	63.7	76.0	71.7	70.0	68.2	66.0
22	91.3	55.0	77.4	4.1	66.8	67.3	77.1	73.2	71.3	68.6	66.1
23	87.5	53.8	72.4	3.5	63.5	61.7	72.8	69.6	68.2	66.2	63.8
24	92.5	53.8	75.1	4.0	64.8	64.4	74.8	70.6	68.7	66.5	63.9

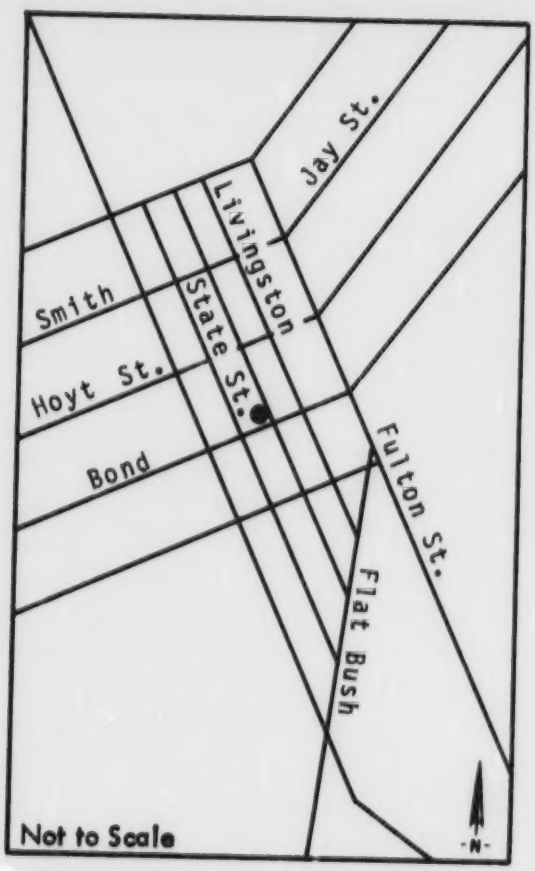
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	59.9	58.7	57.9	57.1	56.5	55.9	55.2	54.5	54.1	53.8
2	57.6	57.0	56.4	55.9	55.5	55.0	54.2	53.8	53.3	52.8
3	57.4	56.7	56.2	55.5	54.9	54.4	53.8	53.2	52.9	52.6
4	57.1	56.4	55.9	55.4	55.0	54.5	53.9	53.4	53.0	52.6
5	57.4	56.6	56.2	55.5	55.0	54.4	53.9	53.4	53.0	52.6
6	60.5	59.5	58.7	58.2	57.3	56.6	55.7	55.1	54.7	54.0
7	63.8	62.5	61.4	60.5	59.7	58.9	57.9	57.3	56.8	56.3
8	66.6	65.4	64.3	63.4	62.7	61.8	60.8	60.1	59.5	58.8
9	70.6	69.5	68.5	67.6	66.8	65.8	64.7	63.9	63.3	62.6
10	68.6	67.8	67.1	66.4	65.7	65.0	64.0	63.1	62.7	61.8
11	69.5	67.8	66.7	65.7	64.9	64.0	62.9	62.2	61.7	61.2
12	68.1	67.2	66.4	65.7	65.0	64.2	63.1	62.4	61.8	61.0
13	67.0	66.0	65.1	64.4	63.7	63.0	62.1	61.5	61.2	60.3
14	67.0	66.0	65.3	64.6	64.0	63.3	62.6	61.9	61.6	61.3
15	67.2	66.3	65.6	64.9	64.2	63.6	62.8	62.1	61.7	61.2
16	67.1	66.2	65.5	64.8	64.2	63.5	62.7	62.1	61.7	61.3
17										
18	66.4	65.5	64.7	64.0	63.3	62.6	61.7	61.0	60.4	59.7
19	65.7	64.7	63.7	62.8	62.0	61.2	60.2	59.5	59.1	58.8
20	64.6	63.6	62.8	62.1	61.5	60.8	60.0	59.3	59.0	58.6
21	64.6	63.6	62.8	62.0	61.3	60.5	59.7	59.0	58.8	58.0
22	64.6	63.4	62.4	61.5	60.7	60.0	59.1	58.4	57.9	57.5
23	62.3	61.3	60.5	59.8	59.2	58.5	57.7	57.1	56.7	56.3
24	62.3	61.1	60.1	59.4	58.6	58.0	57.1	56.6	56.3	55.5

FIGURE B-75(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0211



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	85.0	92.5	0.	68.2
MIN	55.0	51.3	8.	70.4
NPL	80.1	74.6	10.	71.5
SIG	4.1	4.4	12.	72.8
LEQ	69.6	63.5		
TNI	72.5	65.3		
L1	78.8	74.1		
L3	74.9	69.5		
L5	73.4	67.5		
L10	71.1	64.7		
L20	68.6	61.9		
L30	67.2	60.3		
L40	66.1	59.1		
L50	65.2	58.1		
L60	64.3	57.2		
L70	63.4	56.4		
L80	62.5	55.5		
L90	61.2	54.6		
L95	60.2	54.0		
L97	59.6	53.7		
L99	58.8	52.9		

FIGURE B-75(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0211



L_{DN}:	68.0	dB
ρ:	37,500	people / sq.mi.

SITE: 0212

Address: 378 State St.
Brooklyn, N.Y.

Microphone Height: 4.6 m.

Distance to Curb: 4.3 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

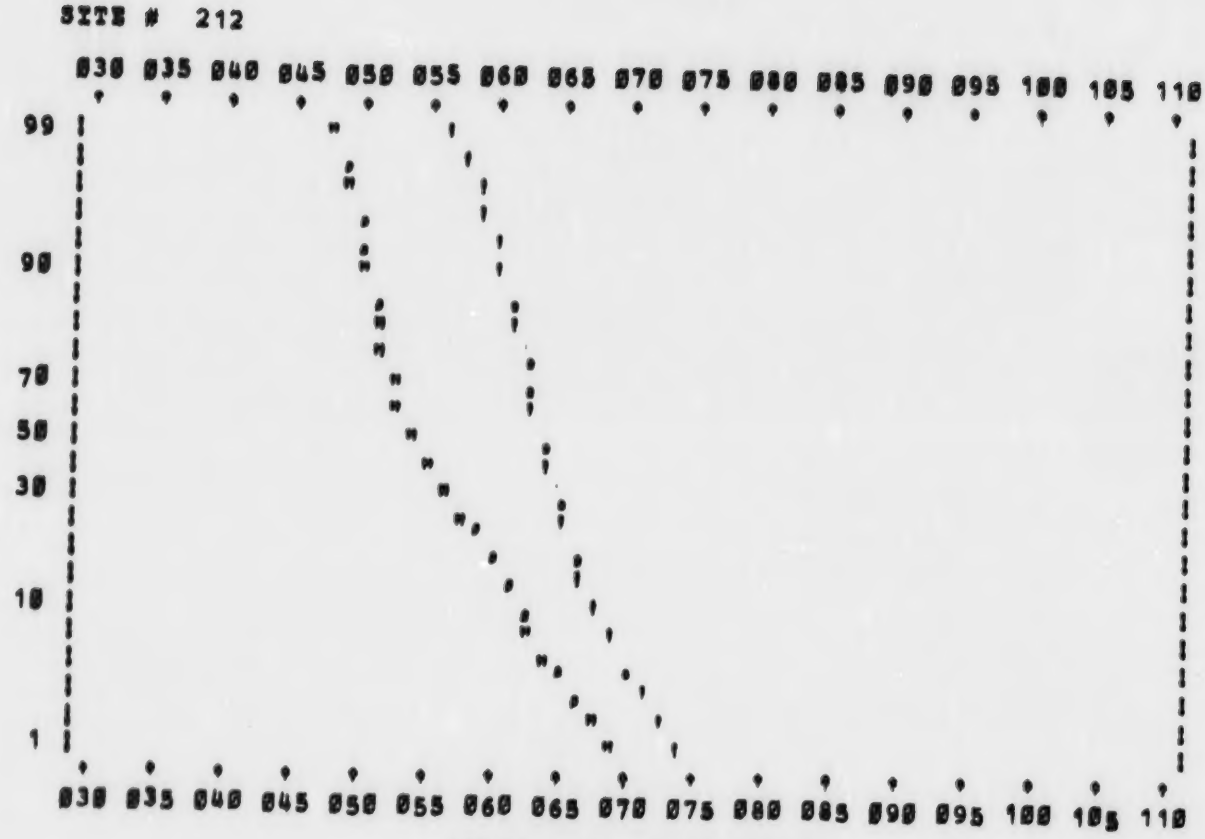
FIGURE B-76(a). DESCRIPTION OF NEW YORK CITY SITE 0212

SITE # 212

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	75.0	46.3	63.8	3.1	55.9	46.5	60.4	61.9	59.8	57.4	55.4
2	80.0	46.3	67.1	3.8	57.5	49.3	70.1	64.5	61.4	57.7	55.8
3	81.3	45.0	62.4	2.9	55.0	42.6	64.1	59.6	57.5	55.7	54.2
4	81.3	46.3	66.5	3.7	57.0	49.0	68.9	61.5	59.2	56.8	54.4
5	81.3	45.0	75.3	5.7	60.7	71.0	75.3	68.6	66.1	61.4	56.2
6	88.8	47.5	69.5	3.8	59.9	56.7	68.4	63.2	62.0	60.5	58.9
7	81.3	48.8	68.9	3.8	59.1	59.8	68.6	65.8	64.3	61.9	59.3
8	85.0	52.5	75.0	4.3	64.1	63.4	76.0	71.3	68.3	65.3	63.2
9	86.3	56.3	78.1	3.6	65.8	62.6	76.7	71.9	70.0	68.0	65.5
10	90.0	57.5	76.5	3.8	66.8	63.9	77.0	73.7	72.3	68.6	65.7
11	97.5	57.5	76.3	3.5	67.4	64.5	76.2	73.2	71.7	69.6	67.1
12	88.8	57.5	73.5	2.8	66.3	58.4	73.8	70.8	69.7	68.3	66.6
13	91.3	60.0	74.3	2.6	67.6	54.6	76.1	71.4	70.0	68.5	67.1
14	92.5	60.0	72.8	2.4	66.7	55.0	73.5	71.2	70.2	68.5	67.0
15	91.3	57.5	74.0	3.0	66.2	61.0	74.1	71.9	70.7	68.7	66.9
16	96.3	58.8	72.8	2.7	66.0	55.7	73.1	70.4	69.2	67.6	66.0
17	90.0	58.8	73.2	2.7	66.3	55.9	74.0	70.7	69.5	67.8	66.2
18	105.0	58.8	75.3	3.2	67.1	60.0	75.0	72.2	70.6	68.4	66.4
19	88.8	57.5	71.7	2.8	64.5	55.0	72.6	69.6	68.3	66.3	64.4
20	83.8	60.0	72.3	2.6	65.5	53.8	74.2	71.5	69.5	67.2	65.1
21	90.0	60.0	71.8	2.5	65.4	53.1	73.5	70.1	68.8	67.0	65.2
22	90.0	58.8	69.7	2.1	64.5	48.0	71.1	68.2	67.1	65.6	64.4
23	92.5	53.8	72.5	2.9	65.1	52.1	72.2	69.2	67.6	65.6	63.8
24	88.8	51.3	68.9	3.5	59.9	54.7	69.7	66.4	64.7	61.6	59.0

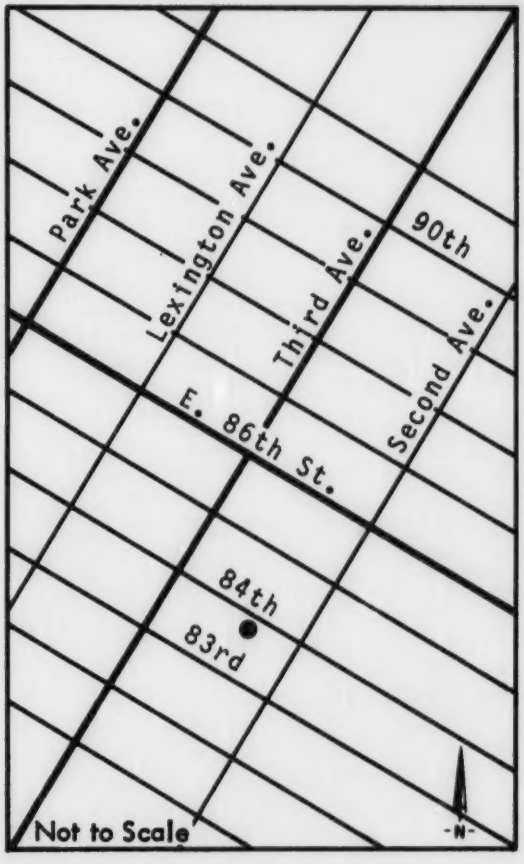
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	54.4	53.7	53.2	52.7	52.2	51.7	51.0	50.3	50.0	49.0
2	54.0	53.3	52.8	52.3	51.8	51.3	50.5	50.0	49.5	48.8
3	53.3	52.7	52.2	51.7	51.3	50.7	50.0	49.3	48.9	48.0
4	53.3	52.5	51.9	51.3	50.7	50.2	49.4	48.9	48.7	47.8
5	53.7	52.3	51.4	50.7	50.0	49.2	48.3	47.8	47.6	46.9
6	57.7	56.7	55.8	54.9	54.0	53.0	51.8	50.9	50.4	49.5
7	57.0	56.7	56.8	55.0	54.2	53.4	52.5	51.8	51.4	50.7
8	61.9	60.8	59.6	58.6	57.8	56.9	55.9	55.3	55.0	54.1
9	63.9	62.9	62.1	61.5	60.9	60.4	59.8	59.2	59.0	58.5
10	64.3	63.4	62.6	62.0	61.4	60.8	60.2	59.6	59.2	58.9
11	65.6	64.7	64.0	63.3	62.7	62.1	61.3	60.6	60.3	59.9
12	65.5	64.7	64.1	63.6	63.0	62.5	61.6	61.0	60.5	60.1
13	66.2	65.7	65.1	64.7	64.3	63.8	63.1	62.7	62.5	61.7
14	66.1	65.6	65.1	64.6	64.2	63.8	63.0	62.6	62.4	61.6
15	65.8	64.9	64.3	63.7	63.0	62.2	61.3	60.5	60.2	59.5
16	64.9	64.2	63.6	63.2	62.7	62.1	61.5	61.1	60.7	60.2
17	65.3	64.6	63.9	63.4	63.0	62.5	61.8	61.4	61.3	60.5
18	65.2	64.3	63.5	62.9	62.3	61.7	60.9	60.4	60.2	59.6
19	63.4	62.6	62.1	61.6	61.1	60.6	60.1	59.6	59.2	58.9
20	64.4	63.8	63.4	63.1	62.7	62.3	61.7	61.4	61.3	60.7
21	64.4	63.7	63.4	63.0	62.6	62.2	61.7	61.4	61.3	60.6
22	63.6	63.3	62.9	62.6	62.2	61.8	61.5	61.3	60.8	60.3
23	63.0	62.4	62.0	61.7	61.3	60.7	60.1	58.8	57.2	55.8
24	57.7	56.9	56.2	55.7	55.2	54.6	53.9	53.3	53.0	52.6

FIGURE B-76(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0212



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	105.0	92.5	0.	64.7
MIN	52.5	45.0	8.	66.9
MPL	74.6	72.2	10.	68.0
SIG	3.3	4.8	12.	69.3
LEQ	66.1	60.0		
TNI	68.1	67.6		
L1	74.8	70.0		
L3	71.4	66.0		
L5	69.9	64.2		
L10	67.9	62.2		
L20	66.1	59.4		
L30	65.0	56.9		
L40	64.2	55.4		
L50	63.5	54.2		
L60	62.9	53.2		
L70	62.3	52.4		
L80	61.6	51.5		
L90	60.5	50.3		
L95	59.6	49.4		
L97	58.7	48.9		
L99	56.4	47.9		

FIGURE B-76(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0212



L_{DN}:	72.3	dB
ρ:	60,700	people / sq.mi.

SITE: 0213

Address: 232 E. 84th
New York, N.Y.

Microphone Height: 13.7 m.

Distance to Curb: 3.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

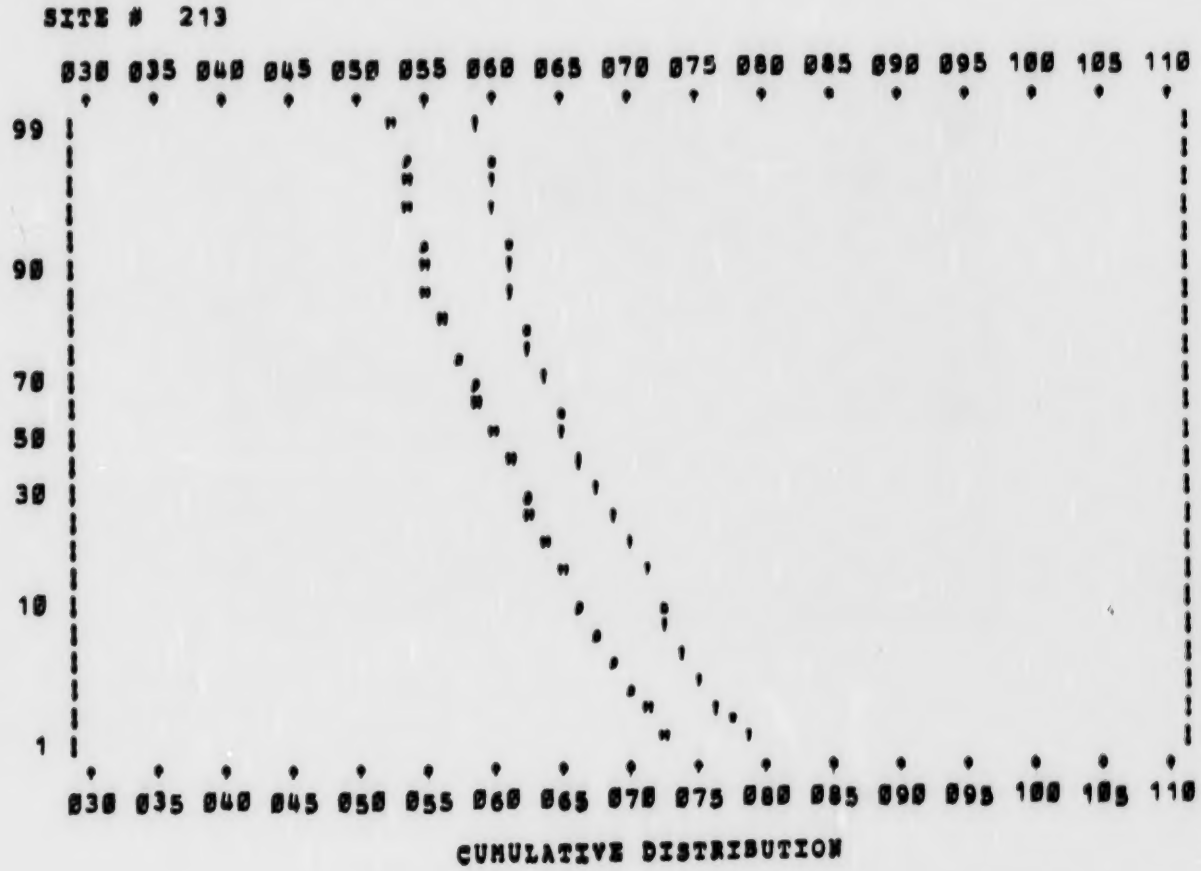
FIGURE B-77(a). DESCRIPTION OF NEW YORK CITY SITE 0213

SITE # 213

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	87.5	52.5	73.0	3.7	63.6	63.3	72.7	69.5	67.9	66.0	64.2
2	97.5	52.5	73.3	4.0	63.2	65.6	72.4	69.3	67.7	65.6	62.9
3	83.8	52.5	73.7	4.2	62.9	67.4	73.1	70.0	68.2	65.8	63.4
4	96.3	51.3	78.1	4.9	65.5	70.8	73.5	70.5	68.7	65.9	63.5
5	82.5	51.3	72.0	4.2	61.1	63.3	71.9	68.3	66.5	63.7	60.7
6	90.0	51.3	77.2	4.9	64.7	70.9	74.8	71.3	69.3	66.2	62.9
7	92.5	52.5	77.0	4.4	65.9	69.6	73.7	70.9	69.4	67.3	65.1
8	96.3	57.5	79.2	4.0	69.0	70.2	78.6	75.1	73.5	71.2	69.1
9	96.3	56.3	80.9	4.0	70.7	70.6	80.9	76.2	74.4	72.2	70.0
10	101.2	58.8	85.5	4.5	74.0	77.4	83.5	79.9	77.7	75.2	73.8
11	93.8	57.5	81.5	4.2	70.7	72.1	81.2	76.4	74.6	72.3	70.1
12	93.8	58.8	80.9	4.1	70.3	73.7	78.8	75.6	74.3	73.0	71.6
13	105.0	58.8	82.7	4.3	71.8	72.6	79.3	74.8	73.7	72.7	71.8
14	91.3	58.8	80.4	3.9	70.4	74.5	78.7	75.8	74.9	73.9	71.8
15	91.3	58.8	80.7	3.9	70.8	72.1	78.7	75.6	74.4	73.2	72.1
16	95.0	57.5	78.1	3.6	68.8	65.4	78.3	74.2	72.4	70.3	68.2
17	102.5	56.3	83.6	4.6	71.9	73.7	81.0	76.0	73.6	71.4	68.5
18	92.5	55.0	74.9	3.4	66.1	62.5	74.7	71.1	69.7	68.1	66.2
19	87.5	56.3	72.9	3.1	65.0	59.5	73.2	70.3	69.2	67.5	65.7
20	91.3	57.5	75.5	3.4	66.9	60.5	75.6	72.1	70.4	68.1	66.1
21	88.8	55.0	86.3	5.6	71.9	84.7	84.4	80.5	78.5	74.2	69.9
22	90.0	55.0	76.5	3.7	66.9	64.3	76.5	72.5	70.8	68.5	66.2
23	92.5	55.0	74.7	3.3	66.2	58.5	74.3	70.0	68.5	66.0	64.9
24	97.5	55.0	74.0	3.4	65.2	61.8	73.2	69.8	68.6	67.1	65.1

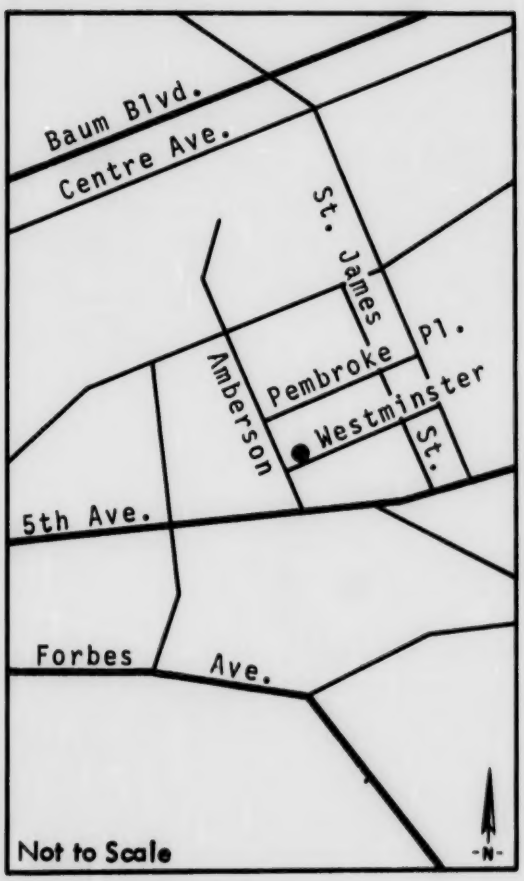
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	62.9	61.9	61.0	60.2	59.4	58.3	56.9	56.0	55.5	55.0
2	61.5	60.5	59.6	58.7	57.8	56.7	55.6	54.9	54.4	53.8
3	61.7	60.5	59.5	58.6	57.6	56.5	55.2	54.4	54.0	53.3
4	62.5	61.6	60.1	58.2	56.6	55.3	54.2	53.6	53.2	52.7
5	59.0	57.6	56.5	55.5	54.8	54.3	53.8	53.2	52.9	52.6
6	61.2	59.9	58.6	57.3	56.2	55.4	54.6	54.1	53.9	53.4
7	63.6	62.3	61.1	60.0	58.9	57.8	56.6	55.7	55.2	54.4
8	67.7	66.7	65.7	64.7	63.8	62.8	61.5	60.6	60.2	59.3
9	68.8	67.9	67.1	66.3	65.3	64.2	62.7	61.7	61.3	60.2
10	73.1	72.4	71.7	70.4	68.5	67.0	64.5	63.0	62.2	61.2
11	68.8	67.6	66.4	65.5	64.5	63.6	62.4	61.5	60.9	60.2
12	69.8	68.0	66.8	65.8	64.8	63.9	62.8	62.0	61.6	60.9
13	70.9	68.9	67.1	65.9	64.8	63.9	62.8	61.9	61.4	60.5
14	69.7	68.5	67.5	66.5	65.6	64.6	63.7	62.9	62.6	61.7
15	71.4	70.6	69.8	68.3	66.4	65.0	63.5	62.6	62.1	61.4
16	66.9	66.0	65.2	64.4	63.7	62.9	61.9	61.3	60.8	60.1
17	66.7	65.4	64.3	63.4	62.5	61.7	60.7	60.0	59.5	58.9
18	65.0	64.1	63.3	62.5	61.7	60.9	59.9	59.2	58.8	57.9
19	64.5	63.6	62.8	62.1	61.5	60.9	60.1	59.4	59.1	58.5
20	64.9	64.0	63.3	62.7	62.1	61.5	60.7	60.2	60.0	59.1
21	67.8	66.1	64.7	63.7	62.8	61.8	60.7	59.8	59.1	57.9
22	64.9	64.0	63.2	62.5	61.8	61.0	60.0	59.1	58.8	57.9
23	64.0	63.2	62.6	61.9	61.2	60.4	59.3	58.6	58.0	57.2
24	63.9	63.0	62.1	61.3	60.5	59.7	58.8	58.0	57.6	56.7

FIGURE B-77(b). HOURLY NOISE DATA FOR NEW YORK CITY SITE 0213



	DAY '.'%	NIGHT "."%	WEIGHTING	WEIGHTED LEQ
MAX	105.0	97.5	0.	68.8
MIN	55.0	51.3	8.	71.2
MPL	81.6	75.8	10.	72.3
SIG	4.5	4.4	12.	73.7
LEQ	70.1	64.5		
TNI	75.9	69.5		
L1	79.4	73.4		
L3	75.4	70.0		
L5	74.1	68.4		
L10	72.5	66.2		
L20	70.4	64.0		
L30	68.4	62.6		
L40	66.9	61.5		
L50	65.7	60.4		
L60	64.6	59.4		
L70	63.6	58.1		
L80	62.6	56.7		
L90	61.4	55.1		
L95	60.4	54.3		
L97	60.0	53.9		
L99	59.0	53.1		

FIGURE B-77(c). DAY/NIGHT NOISE DATA FOR NEW YORK CITY SITE 0213



L_{DN}:	58.1 dB
ρ:	17,300 people/sq.mi.

SITE: 0301

Address: 5121 Westminister Pl.
Pittsburgh, PA

Microphone Height: 4.6 m.

Distance to Curb: 8.2 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

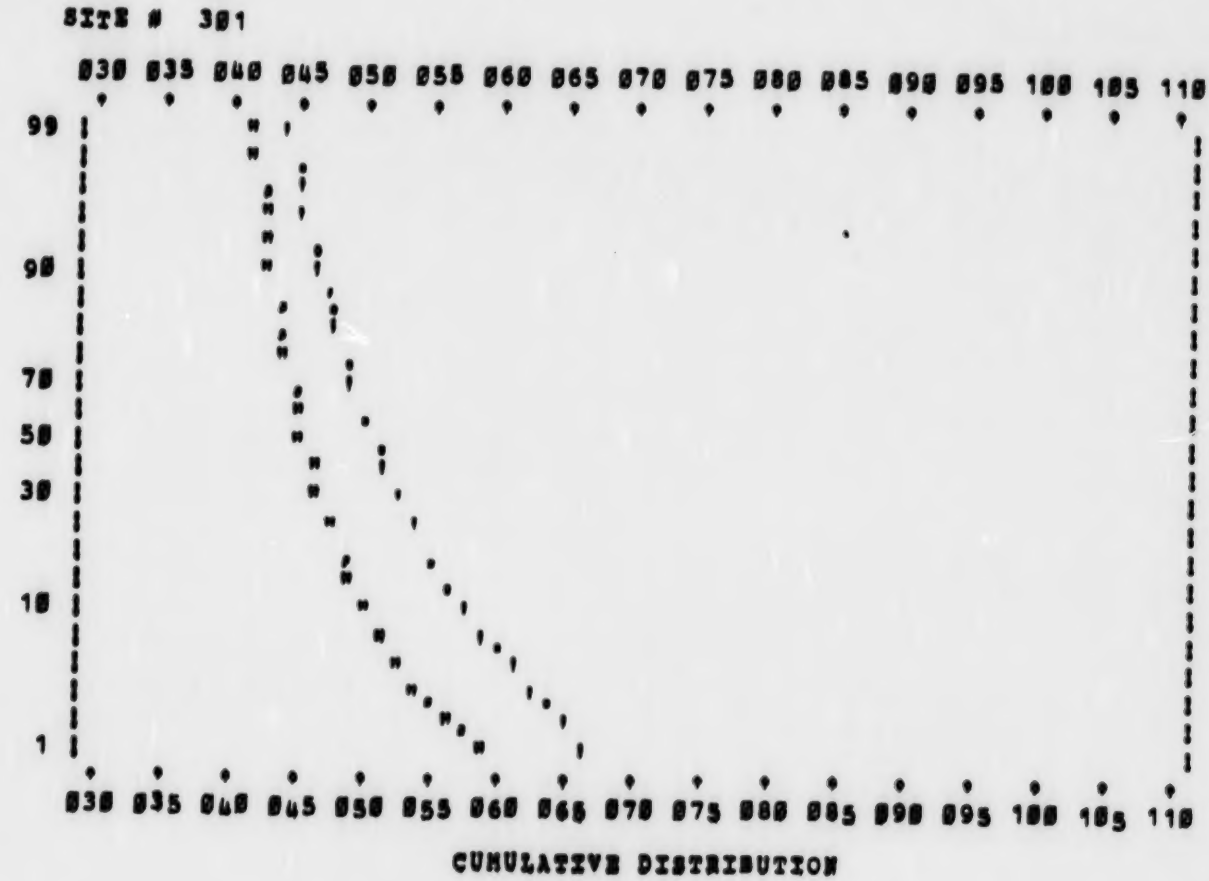
FIGURE B-78(a). DESCRIPTION OF PITTSBURGH SITE 0301

SITE # 301

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	41.3	59.7	3.6	58.6	48.8	61.5	55.5	53.8	50.3	47.8
2	73.8	41.3	60.8	3.8	50.4	42.1	61.8	58.8	54.9	50.7	48.3
3	70.8	40.8	54.8	2.9	47.4	37.7	56.1	53.3	51.8	49.8	46.8
4	66.3	40.8	53.1	2.6	46.4	37.2	53.6	51.3	50.3	48.8	47.1
5	66.3	38.8	53.6	2.7	46.7	36.8	54.8	51.8	49.8	48.5	47.1
6	62.5	40.8	54.6	3.1	46.7	41.8	56.8	52.9	51.4	49.2	46.8
7	76.3	40.8	60.9	3.8	51.2	46.2	62.9	57.3	54.6	52.8	49.4
8	88.8	41.3	78.9	6.2	63.8	65.3	75.7	67.1	63.7	57.6	53.2
9	77.5	42.5	68.6	4.8	56.2	62.4	68.8	64.5	62.3	58.2	55.8
10	86.3	42.5	68.2	4.4	57.8	55.3	68.1	64.1	61.5	57.8	54.6
11	76.3	40.8	68.8	5.1	55.8	67.8	66.9	63.3	61.3	58.7	55.2
12	81.3	41.3	67.6	4.8	55.3	62.4	66.1	62.2	60.2	57.3	54.3
13	83.8	41.3	69.7	5.1	56.7	66.1	66.4	63.2	61.2	58.2	54.8
14	76.3	42.5	66.4	4.1	55.9	58.5	64.9	61.5	59.8	58.8	56.5
15	96.3	43.8	69.1	4.2	58.4	56.1	65.9	62.5	60.1	57.4	55.1
16	76.3	45.8	65.1	3.9	55.1	53.5	66.8	62.3	60.2	57.8	54.4
17	76.3	45.8	68.8	4.3	56.9	61.2	67.8	64.9	63.1	59.6	56.1
18	76.3	45.8	69.9	4.8	57.7	64.4	69.1	66.1	64.1	60.3	56.1
19	88.8	42.5	67.4	4.4	56.1	55.5	67.7	63.8	61.3	57.8	53.6
20	77.5	43.8	65.9	4.3	54.9	54.4	66.8	63.3	60.6	56.4	53.2
21	83.8	43.8	66.8	4.3	55.8	53.7	67.8	62.6	59.6	55.9	53.1
22	81.3	42.5	63.8	4.8	52.8	50.1	64.8	59.8	57.6	54.8	50.6
23	73.8	42.5	60.4	3.5	51.5	43.8	63.3	57.2	54.8	52.1	50.8
24	67.5	41.3	57.4	3.1	49.6	41.2	59.7	55.4	53.6	51.3	49.5

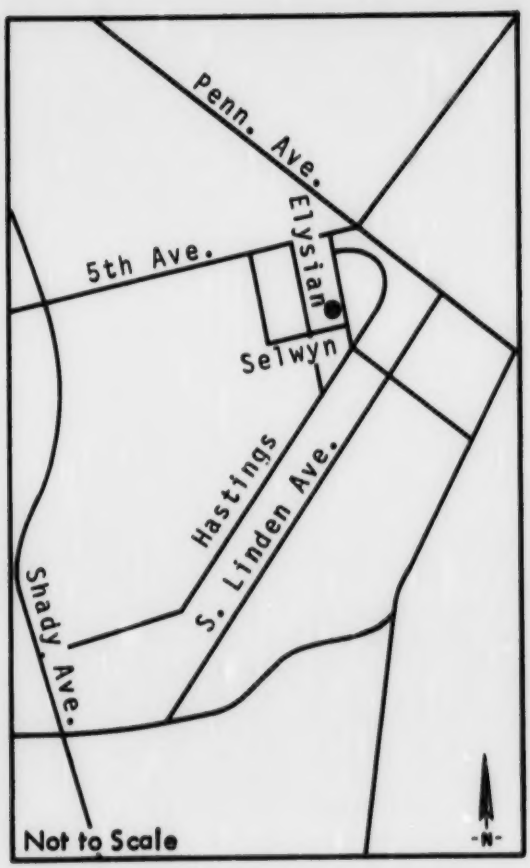
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	46.7	46.8	45.5	44.9	44.5	44.8	43.4	42.9	42.7	42.5
2	47.2	46.4	45.8	45.2	44.7	44.2	43.5	43.8	42.7	42.5
3	45.9	45.2	44.7	44.3	43.9	43.4	42.8	42.5	42.8	41.5
4	46.8	45.3	44.7	44.1	43.6	43.1	42.6	42.1	41.7	41.4
5	46.1	45.4	44.7	44.1	43.6	43.8	42.4	41.8	41.5	41.3
6	45.6	44.8	44.2	43.6	43.1	42.7	42.8	41.6	41.4	41.1
7	48.3	47.5	46.8	46.2	45.5	44.8	43.9	43.1	42.8	42.2
8	51.1	49.7	48.6	47.8	47.8	46.1	45.8	44.2	43.9	43.8
9	53.4	52.2	51.1	50.1	49.8	48.8	46.8	46.8	45.5	44.8
10	53.1	52.1	51.2	50.6	50.8	49.3	48.6	47.5	46.4	44.6
11	53.1	51.8	50.8	49.9	48.8	47.4	45.6	44.6	44.1	43.2
12	52.3	50.9	49.8	48.8	47.9	46.9	45.6	44.7	44.2	43.4
13	53.1	51.7	50.5	49.3	48.2	46.9	45.5	44.6	44.8	43.1
14	55.6	54.9	54.1	53.1	51.7	49.7	47.8	46.7	46.1	45.2
15	53.7	52.8	52.8	51.2	50.1	48.9	47.8	46.9	46.5	45.7
16	53.8	52.8	51.1	50.4	49.7	49.1	48.2	47.6	47.3	46.5
17	54.5	53.4	52.6	51.8	51.8	50.2	49.1	48.3	47.8	47.8
18	54.1	52.9	52.8	51.3	50.6	49.8	48.9	48.1	47.7	47.8
19	52.3	51.3	50.6	49.9	49.2	48.5	47.6	46.7	46.3	45.2
20	51.8	50.8	50.8	49.3	48.6	47.9	47.8	46.5	46.2	45.4
21	51.4	50.4	49.6	48.9	48.2	47.6	46.7	46.1	45.6	45.1
22	49.3	48.4	47.8	47.2	46.6	46.8	45.3	44.8	44.4	43.9
23	48.9	48.1	47.4	46.9	46.4	45.8	45.2	44.7	44.3	43.9
24	48.4	47.6	47.8	46.5	45.9	45.4	44.6	44.1	43.9	43.1

FIGURE B-78(b). HOURLY NOISE DATA FOR PITTSBURGH SITE 0301



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	96.3	76.3	0.	55.5
MIN	48.8	38.8	8.	57.2
MPL	69.4	58.2	10.	58.1
SIG	4.8	3.8	12.	59.2
LEQ	57.2	49.4		
TNI	61.8	42.7		
L1	67.5	59.8		
L3	63.6	54.7		
L5	61.2	52.7		
L10	57.7	50.4		
L20	54.8	48.4		
L30	53.1	47.2		
L40	51.9	46.4		
L50	50.8	45.7		
L60	49.9	45.1		
L70	49.0	44.4		
L80	47.9	43.8		
L90	46.6	43.0		
L95	45.6	42.3		
L97	45.1	42.0		
L99	44.0	41.5		

FIGURE B-78(c). DAY/NIGHT NOISE DATA FOR PITTSBURGH SITE 0301



L_{DN}:	59.1	dB
ρ:	9,800	people / sq. mi.

SITE: 0302

Address: 210 Hastings
Pittsburgh, PA

Microphone Height: 6.1 m.

Distance to Curb: 3.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

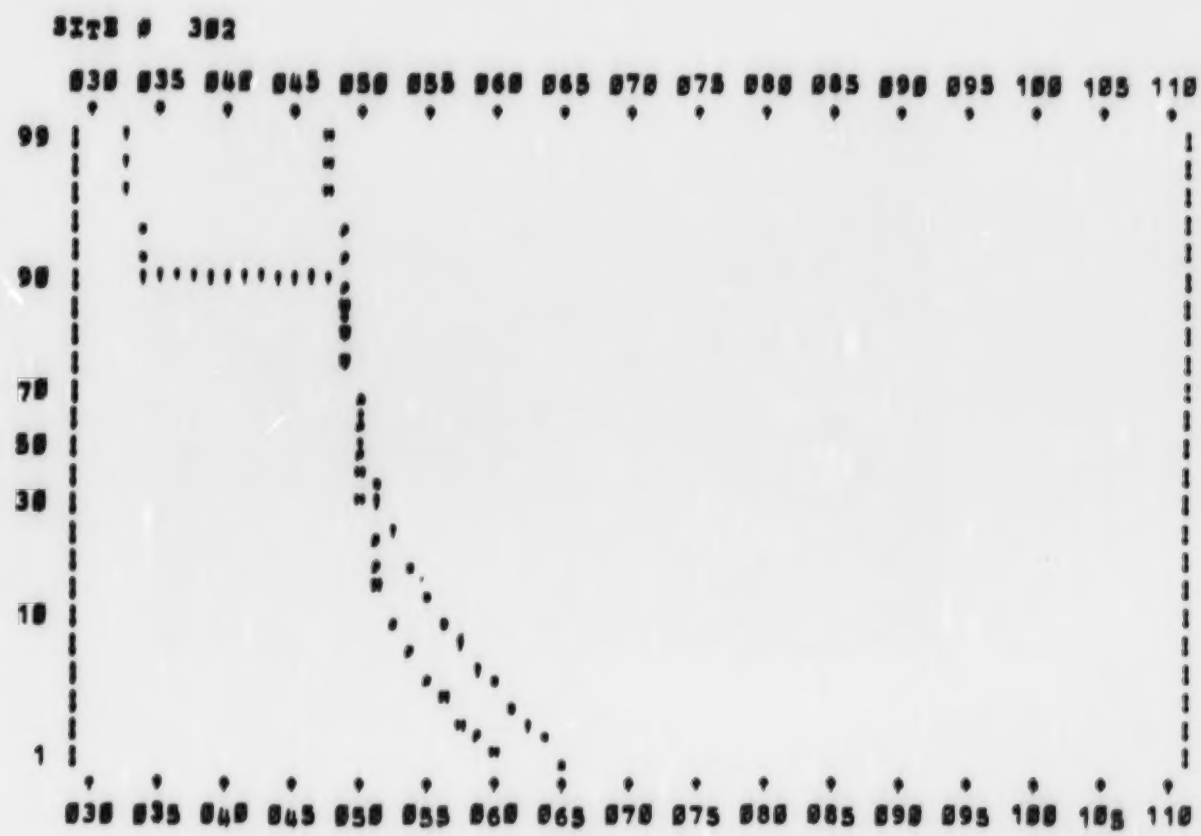
FIGURE B-79(a). DESCRIPTION OF PITTSBURGH SITE 0302

SITE # 302

HR	MAX	MIN	MPL	SIG	L50	THI	L1	L3	L5	L10	L20
1	76.3	47.5	56.1	1.8	51.5	31.0	58.5	55.0	53.7	52.3	51.2
2	72.5	46.3	59.0	2.6	52.3	33.3	62.1	58.1	55.7	52.4	50.8
3	63.8	46.3	51.3	0.8	49.2	25.7	51.1	50.2	50.0	49.9	49.7
4	63.8	46.3	51.9	1.0	49.3	26.1	51.7	50.9	50.5	50.0	49.8
5	65.0	46.3	53.0	1.3	49.7	26.6	55.7	52.1	51.1	50.2	49.8
6	71.3	46.3	58.1	2.4	51.9	35.3	60.6	57.3	55.9	53.0	51.1
7	78.8	46.3	65.7	3.7	56.2	45.9	69.0	62.1	59.4	55.0	52.7
8	78.0	46.3	62.3	3.4	53.6	40.9	63.5	60.6	58.9	55.9	53.5
9	86.3	46.3	65.2	3.7	55.0	51.0	66.1	62.5	60.5	57.4	54.2
10	75.0	46.3	66.2	3.0	56.6	53.5	68.0	64.0	61.7	58.1	55.4
11	76.3	31.3	71.4	6.9	53.6	86.4	63.6	59.3	57.1	54.9	53.6
12											
13											
14											
15	58.8	31.3	41.1	2.1	35.7	7.4	48.2	36.5	34.9	33.7	33.6
16	87.5	46.3	69.4	4.4	58.2	56.3	68.9	64.2	61.9	58.3	53.6
17	76.3	46.3	65.3	3.9	55.3	52.6	66.6	62.8	60.7	57.3	54.0
18	85.0	46.3	61.1	3.0	53.4	43.4	62.8	59.9	58.0	54.9	52.5
19	76.3	47.5	63.9	3.5	55.0	51.4	65.2	61.5	59.0	57.4	54.7
20	73.0	46.3	61.1	3.1	53.2	45.0	62.9	59.6	57.9	55.2	52.5
21	85.0	46.3	66.4	3.0	56.6	45.3	67.4	61.0	58.9	55.2	52.2
22	82.5	46.3	61.3	3.0	53.7	39.9	64.0	59.0	57.7	54.2	52.2
23	71.3	47.5	58.0	2.4	52.0	35.2	62.2	58.2	55.9	53.4	52.1
24	70.0	47.5	56.9	1.9	52.1	32.1	59.7	56.2	54.0	53.0	52.1

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	50.9	50.6	50.4	50.1	49.0	49.4	49.1	48.9	48.0	48.0
2	50.1	49.0	49.6	49.4	49.2	49.0	48.7	48.1	47.9	47.6
3	49.5	49.3	49.1	49.0	48.0	48.4	47.9	47.7	47.6	47.5
4	49.6	49.4	49.2	49.0	48.0	48.4	47.9	47.7	47.6	47.5
5	49.6	49.5	49.3	49.1	48.9	48.7	48.1	47.0	47.7	47.6
6	50.5	50.0	49.0	49.5	49.3	49.1	48.0	48.4	48.0	47.7
7	51.7	51.1	50.7	50.4	50.1	49.6	49.1	48.9	48.0	47.9
8	52.2	51.2	50.5	49.9	49.4	49.0	48.3	47.0	47.7	47.5
9	52.9	52.1	51.5	51.0	50.4	49.9	49.2	48.9	48.6	47.0
10	54.3	53.4	52.0	52.2	51.0	51.4	49.7	49.1	48.9	48.6
11	52.9	52.2	51.7	51.2	50.6	50.0	34.4	32.0	32.3	31.0
12										
13										
14										
15	33.4	33.3	33.1	33.0	32.0	32.7	32.5	32.0	31.7	31.4
16	51.9	51.0	50.5	50.1	49.7	49.3	48.9	48.5	48.1	47.7
17	52.2	51.2	50.6	50.1	49.7	49.3	48.9	48.3	48.0	47.7
18	51.4	50.0	50.3	49.9	49.5	49.2	48.0	48.2	47.9	47.6
19	53.2	52.2	51.4	50.9	50.5	50.1	49.4	49.0	48.0	48.1
20	51.4	50.0	50.3	49.0	49.5	49.1	48.7	48.1	47.0	47.6
21	51.0	50.4	49.9	49.6	49.3	49.0	48.5	48.0	47.0	47.6
22	51.2	50.9	50.5	50.2	49.0	49.4	49.0	48.0	48.4	47.0
23	51.5	51.1	50.0	50.6	50.3	50.1	49.5	49.1	49.0	48.0
24	51.6	51.2	51.0	50.7	50.5	50.3	50.0	49.4	49.2	48.9

FIGURE B-79(b). HOURLY NOISE DATA FOR PITTSBURGH SITE 0302



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	87.5	78.8	0.	54.1
MIN	31.3	46.3	8.	57.7
MPL	71.5	58.2	10.	59.1
SIG	6.5	2.4	12.	68.7
LEQ	54.9	52.2		
THI	51.3	33.5		
L1	68.3	68.0		
L3	61.2	56.5		
L5	59.8	54.8		
L10	55.9	52.3		
L20	53.3	51.2		
L30	52.1	50.7		
L40	51.2	50.2		
L50	50.6	49.9		
L60	50.0	49.6		
L70	49.5	49.3		
L80	49.0	49.0		
L90	47.5	48.6		
L95	33.2	48.1		
L97	32.8	47.8		
L99	32.5	47.6		

FIGURE B-79(c). DAY/NIGHT NOISE DATA FOR PITTSBURGH SITE 0302

L_{DN}:	61.9	dB
ρ:	17,300	people / sq.mi.

SITE: 0303

Address: 5613 Howe
Pittsburgh, PA

Microphone Height: 6.7 m.

Distance to Curb: 7.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Buses

Vicinity: Cars, Buses

OTHER NOISE SOURCES:

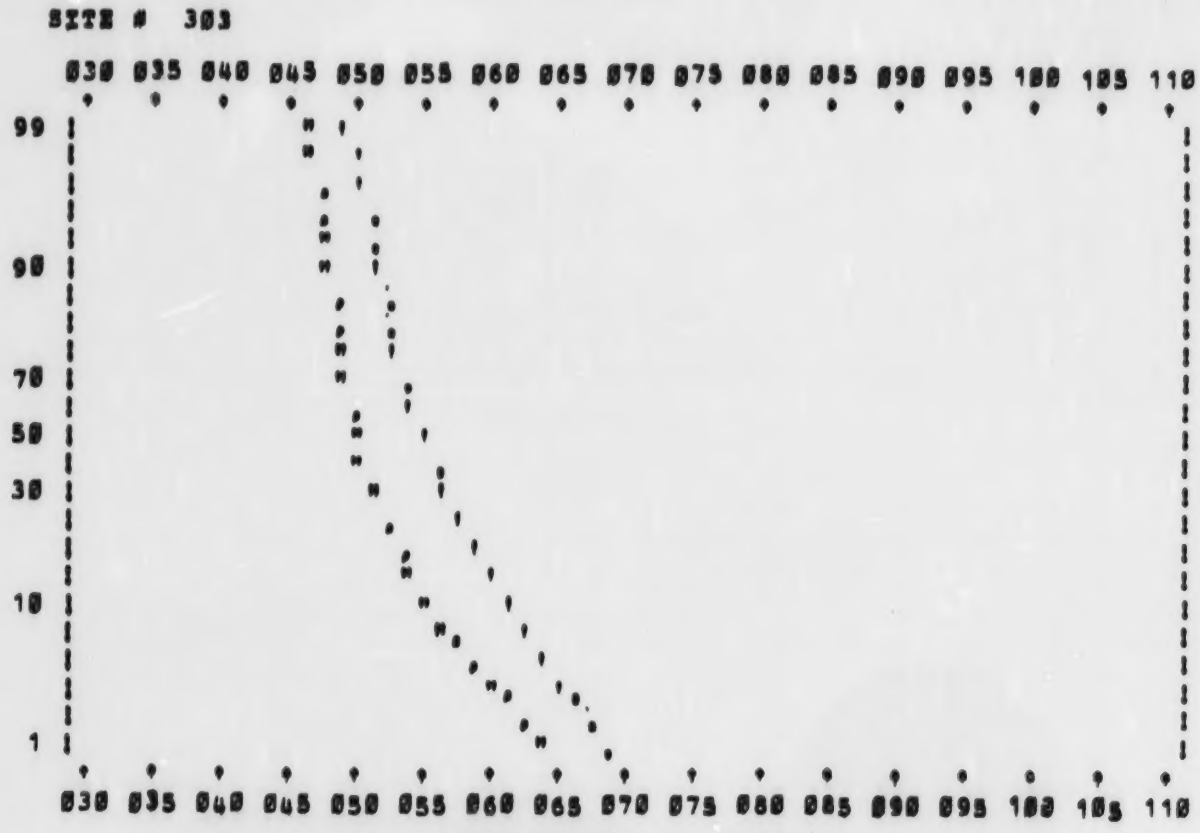
FIGURE B-80(a). DESCRIPTION OF PITTSBURGH SITE 0303

SITE # 303

NR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	81.3	45.0	64.5	3.6	55.3	48.9	65.3	61.0	58.9	56.2	53.9
2	73.8	45.0	65.9	4.1	55.5	53.0	67.1	63.5	61.5	57.3	53.8
3	73.8	45.0	58.5	2.6	51.8	38.1	60.9	56.7	54.8	52.8	51.0
4	68.8	43.8	55.1	2.8	49.9	32.7	57.5	53.4	52.1	50.8	49.8
5	72.5	45.0	54.6	1.7	50.1	30.6	56.0	52.9	51.9	50.9	49.9
6	78.8	45.0	57.0	2.4	50.9	34.9	59.9	56.0	54.0	51.9	50.0
7	81.3	45.0	66.6	4.1	56.1	50.6	68.9	62.1	59.3	56.0	53.4
8	78.8	46.3	66.3	3.7	56.7	55.5	66.6	62.9	61.2	59.0	56.6
9	82.5	48.8	70.5	4.0	60.2	63.2	70.0	67.4	65.9	63.2	60.1
10	80.0	50.0	71.6	4.0	61.3	63.1	71.3	68.5	66.9	63.8	61.2
11											
12											
13											
14	83.8	45.0	72.4	3.5	63.4	58.3	71.4	67.2	66.0	64.7	63.5
15	78.8	30.0	68.8	4.1	58.5	63.9	67.7	64.7	63.5	62.0	58.7
16	86.3	46.3	70.5	4.2	59.8	61.0	69.0	65.5	63.9	61.3	58.5
17	85.0	47.5	71.9	4.4	60.6	63.5	72.0	67.5	65.4	62.3	59.3
18	81.3	47.5	69.3	4.1	58.9	62.4	68.6	65.8	64.3	61.9	59.0
19	83.8	46.3	68.	3.9	58.1	58.3	68.1	64.9	63.1	60.5	57.9
20	81.3	47.5	67.[illegible]	3.8	58.0	59.4	67.4	64.4	63.0	60.9	58.5
21	81.3	48.8	67.0	3.5	57.9	56.6	67.0	63.5	62.4	60.5	58.0
22	82.5	47.5	63.1	2.9	55.6	47.8	63.7	60.7	59.3	57.4	55.0
23	82.5	46.3	66.1	3.6	57.0	51.2	66.9	62.7	60.6	58.0	55.7
24	80.0	46.3	65.4	3.7	56.0	54.3	65.9	62.6	60.8	58.3	55.9

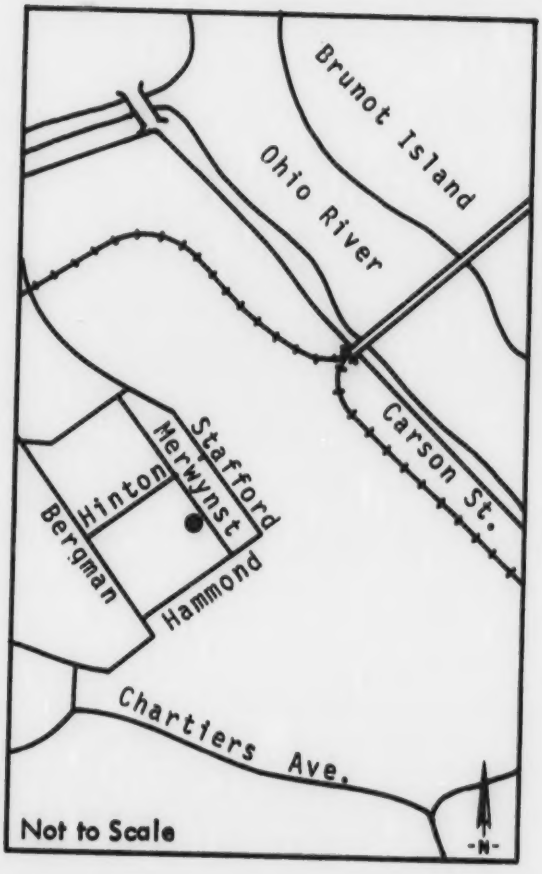
NR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	52.5	51.7	51.0	50.5	50.0	49.4	48.7	48.0	47.8	47.5
2	52.2	51.2	50.7	50.1	49.7	49.2	48.8	48.1	47.8	47.5
3	50.3	49.8	49.4	49.1	48.8	48.2	47.7	47.2	46.8	46.4
4	49.5	49.2	48.8	48.4	48.0	47.5	46.8	46.4	46.3	45.4
5	49.7	49.4	49.2	48.9	48.6	48.1	47.7	47.2	46.8	46.4
6	49.7	49.4	49.1	48.7	48.3	47.9	47.6	47.0	46.7	46.4
7	51.9	51.0	50.4	49.8	49.3	48.8	47.9	47.2	46.8	46.4
8	55.3	54.3	53.4	52.6	51.9	51.3	50.2	49.2	48.8	47.8
9	58.7	57.6	56.7	55.8	55.0	54.2	53.2	52.6	52.0	51.4
10	60.1	59.2	58.4	57.5	56.5	55.4	54.0	53.1	52.7	51.9
11										
12										
13										
14	63.0	62.5	62.2	61.8	61.4	59.3	56.9	55.4	53.3	50.7
15	56.8	55.6	54.7	53.9	53.2	52.4	51.4	50.7	50.3	49.9
16	56.8	55.7	54.8	54.0	53.2	52.4	51.4	50.7	50.3	49.4
17	57.6	56.5	55.6	54.7	53.9	53.0	51.9	51.2	50.6	50.0
18	57.4	56.2	55.2	54.4	53.6	52.8	51.7	51.0	50.5	49.7
19	56.5	55.5	54.7	53.9	53.1	52.2	51.2	50.4	50.1	49.1
20	56.9	55.8	54.8	54.0	53.1	52.3	51.4	50.6	50.3	49.6
21	56.6	55.6	54.8	54.2	53.5	52.7	51.7	51.1	50.6	50.1
22	54.8	54.0	53.3	52.7	52.1	51.4	50.6	50.2	50.0	49.2
23	54.6	53.7	53.0	52.3	51.7	51.1	50.3	49.7	49.3	48.8
24	54.5	53.4	52.5	51.8	51.1	50.4	49.6	49.1	48.9	48.2

FIGURE B-80(b). HOURLY NOISE DATA FOR PITTSBURGH SITE 0303



	DAY '.'.	NIGHT "."."	WEIGHTING	WEIGHTED LEQ
MAX	86.3	82.5	0.	57.8
MIN	30.0	43.8	8.	60.6
MPL	69.6	63.7	10.	61.9
SIG	4.1	3.6	12.	63.3
LEQ	59.8	54.4		
TNI	61.7	48.8		
L1	69.1	64.9		
L3	65.6	60.5		
L5	63.8	58.3		
L10	61.5	55.6		
L20	58.9	53.2		
L30	57.3	51.8		
L40	56.0	50.8		
L50	55.1	50.1		
L60	54.2	49.6		
L70	53.4	49.1		
L80	52.5	48.6		
L90	51.5	47.9		
L95	50.6	47.4		
L97	50.2	46.9		
L99	49.3	46.4		

FIGURE B-80(c). DAY/NIGHT NOISE DATA FOR PITTSBURGH SITE 0303



L_{DN}:	62.2	dB
ρ:	5,300	people / sq.mi.

SITE: 0305
Address: 2419 Merwyn
Pittsburgh, PA
Microphone Height: 4.6 m.
Distance to Curb: 3.6 m.

ROADWAY TYPE
At Site: Local
Vicinity: Local

TRAFFIC
At Site: Cars, Trucks
Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

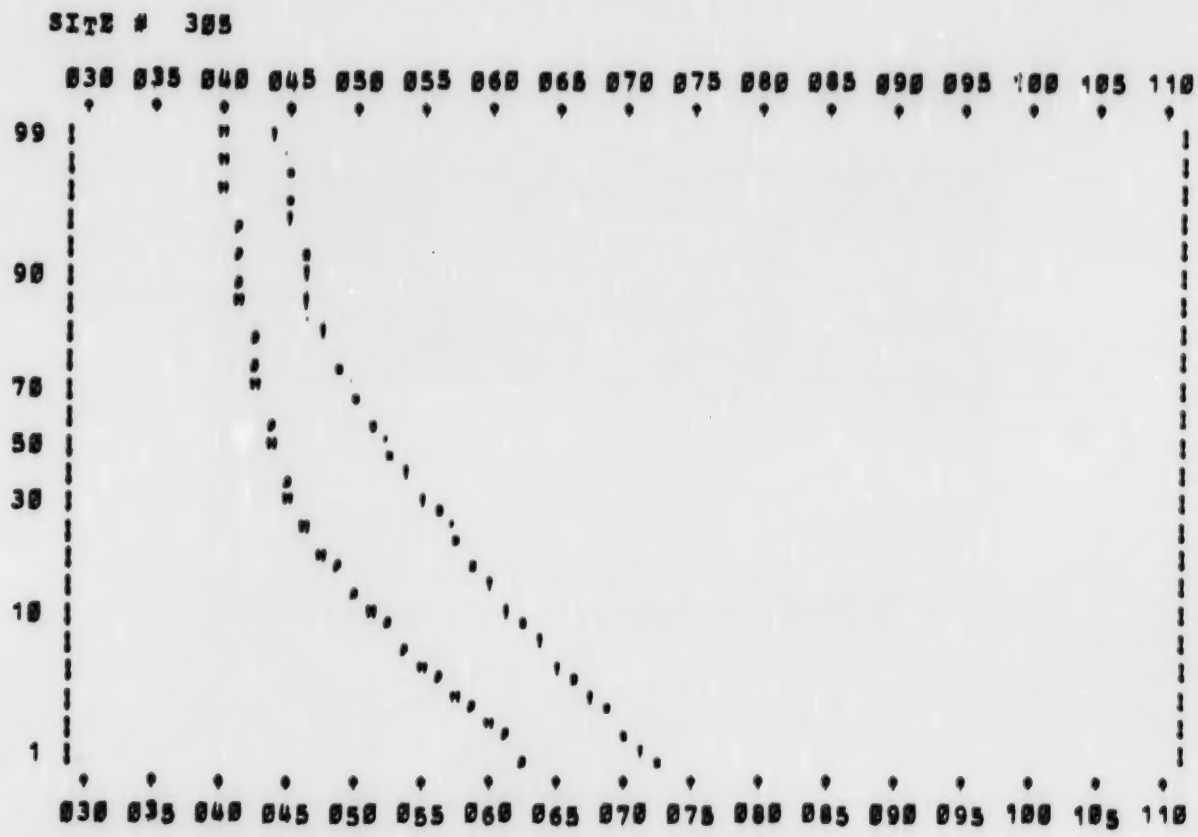
FIGURE B-81(a). DESCRIPTION OF PITTSBURGH SITE 0305

SITE # 305

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	82.5	40.0	68.4	5.0	55.7	50.8	67.0	58.7	55.4	51.7	47.4
2	81.3	38.8	64.8	4.9	52.3	57.3	62.7	58.9	56.6	53.2	49.6
3	80.0	38.8	61.8	4.8	50.8	45.1	59.4	54.3	51.8	49.5	47.2
4	77.5	38.8	54.4	2.8	47.2	32.7	53.8	48.6	47.4	46.0	44.4
5	61.3	38.8	50.8	2.2	45.2	32.8	52.1	49.8	48.3	47.1	45.9
6	75.0	38.8	56.5	3.5	47.5	34.0	60.0	52.7	48.8	46.4	44.8
7	77.5	37.5	59.4	3.8	49.7	39.7	61.6	52.3	50.1	47.9	45.9
8	77.5	40.0	63.3	4.2	52.4	52.6	63.2	58.6	56.6	53.7	51.2
9	80.0	41.3	67.3	4.8	55.0	60.3	66.4	61.9	60.1	56.7	53.2
10	78.8	41.3	65.3	4.5	53.7	55.4	64.9	61.2	58.6	54.9	51.6
11	80.8	42.5	67.8	4.4	56.4	55.6	66.5	61.3	58.6	56.2	53.6
12	96.3	42.5	78.8	5.6	64.4	74.3	74.1	69.3	66.9	63.8	60.7
13	91.3	42.5	80.3	6.8	63.0	86.3	74.2	68.7	66.6	64.1	59.9
14	85.0	43.8	68.1	4.2	57.8	57.5	67.9	63.4	61.2	58.7	56.4
15	93.8	45.0	76.2	5.7	61.5	70.8	72.4	67.4	64.8	61.8	57.4
16	92.5	45.0	84.8	7.8	66.8	86.2	79.8	74.1	70.8	66.3	61.9
17	91.3	38.0	78.9	5.6	64.6	79.2	75.6	71.3	69.4	66.6	63.6
18											
19											
20	95.0	41.3	81.3	6.6	64.5	80.8	75.1	69.9	67.2	63.2	59.4
21	92.5	41.3	76.8	5.7	62.1	71.7	73.7	67.2	64.6	61.3	57.9
22	90.0	41.3	76.2	6.0	60.9	77.4	72.6	66.1	63.8	62.6	58.9
23	80.0	38.8	69.0	5.6	54.7	67.4	66.3	62.2	60.2	56.6	53.2
24	86.3	40.0	70.1	5.7	55.5	69.8	65.8	62.1	60.0	57.2	53.1

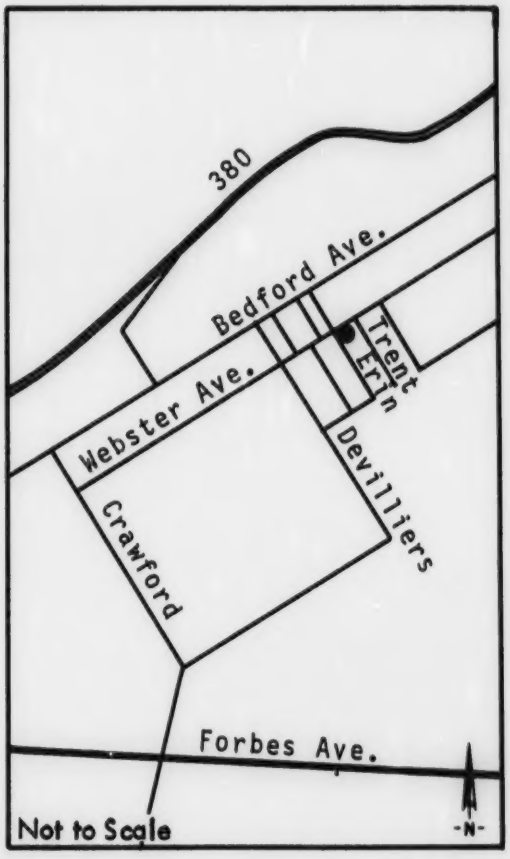
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	45.5	44.6	44.0	43.5	43.1	42.7	42.0	41.6	41.4	41.3
2	47.6	46.1	45.0	44.1	43.3	42.6	41.8	41.4	41.0	40.3
3	45.6	44.5	43.6	42.9	42.2	41.7	41.0	40.5	40.3	40.1
4	43.3	42.5	42.1	41.6	41.2	40.8	40.4	40.2	40.1	40.0
5	45.1	44.6	44.1	43.6	43.1	42.7	41.9	41.4	41.2	40.4
6	43.8	43.2	42.6	42.1	41.6	41.1	40.5	40.2	40.1	40.0
7	44.7	43.8	43.2	42.6	42.0	41.4	40.6	40.1	39.7	39.1
8	49.6	48.5	47.5	46.6	45.8	45.0	44.1	43.4	42.9	42.5
9	51.1	49.7	48.6	47.8	47.1	46.4	45.5	45.0	44.5	43.9
10	50.0	48.9	48.0	47.2	46.4	45.7	44.8	44.1	43.8	43.0
11	51.7	50.4	49.4	48.6	47.9	47.2	46.4	45.6	45.3	44.7
12	59.2	58.1	57.1	56.1	54.8	52.9	49.9	48.0	47.0	45.6
13	57.6	55.7	53.8	51.9	49.9	48.1	46.7	45.9	45.5	45.0
14	55.0	54.0	53.1	52.3	51.4	50.4	49.1	48.1	47.5	46.4
15	54.8	53.0	51.7	50.6	49.7	48.7	47.7	47.0	46.7	46.3
16	59.0	56.7	54.9	53.5	52.2	51.0	49.7	48.8	48.2	47.3
17	61.6	60.0	58.7	57.4	56.0	54.4	52.4	51.2	50.4	49.3
18										
19										
20	57.0	55.2	53.5	52.0	50.6	49.1	47.4	46.2	45.4	44.3
21	55.8	54.3	52.9	51.7	50.5	49.3	47.8	46.8	46.3	45.2
22	56.6	54.8	53.4	52.1	50.8	49.4	47.6	46.3	45.4	44.1
23	51.1	49.3	47.8	46.5	45.3	44.2	42.9	42.1	41.7	41.0
24	50.1	48.0	46.5	45.5	44.6	43.9	43.0	42.5	42.0	41.4

FIGURE B-81(b). HOURLY NOISE DATA FOR PITTSBURGH SITE 0305



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	96.3	86.3	0.	60.4
MIN	30.0	37.5	8.	61.5
MPL	78.4	64.6	10.	62.2
SIG	6.4	4.8	12.	63.1
LEQ	62.1	52.4		
TWI	78.6	53.0		
L1	73.1	63.1		
L3	67.9	58.2		
L5	65.4	55.5		
L10	62.0	51.7		
L20	58.4	47.9		
L30	56.1	46.0		
L40	54.1	44.9		
L50	52.4	44.1		
L60	50.9	43.4		
L70	49.4	42.7		
L80	48.0	42.0		
L90	46.5	41.2		
L95	45.4	40.6		
L97	44.8	40.3		
L99	43.8	40.0		

FIGURE B-81(c). DAY/NIGHT NOISE DATA FOR PITTSBURGH SITE 0305



L_{DN}:	72.8 dB
ρ:	27,300 people/sq.mi.

SITE: 0306

Address: Webster btwn Erin & Trent, Pittsburgh, PA

Microphone Height: 4.6 m.

Distance to Curb: 1.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars, Buses

Vicinity: Cars, Buses

OTHER NOISE SOURCES:

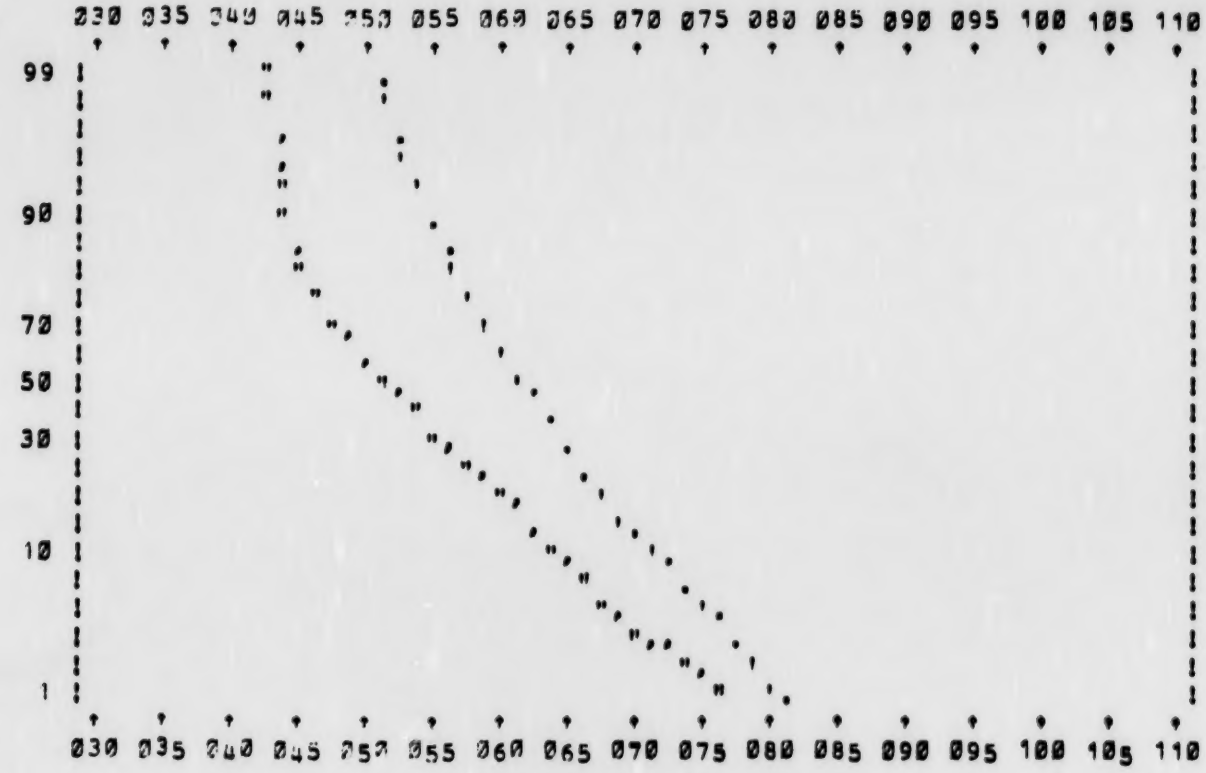
FIGURE B-82(a). DESCRIPTION OF PITTSBURGH SITE 0306

SITE # 306

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	91.3	42.5	82.4	7.1	64.2	86.0	74.5	69.5	67.0	63.8	59.7
2	91.3	41.3	80.3	6.9	62.6	80.8	72.9	66.9	64.3	61.1	56.8
3	87.5	41.3	78.4	6.5	61.8	69.9	73.0	65.8	62.5	57.7	52.1
4	96.3	40.0	82.5	7.0	64.6	74.8	73.7	66.5	63.2	58.5	53.2
5	87.5	40.0	81.5	7.4	62.5	78.5	74.5	67.3	65.1	59.3	54.8
6	92.5	41.3	84.7	7.5	65.4	90.5	78.7	73.1	68.7	64.9	60.5
7	92.5	43.8	86.0	7.5	66.9	91.0	79.6	74.4	70.9	66.3	62.5
8	92.5	47.5	93.5	8.3	72.2	114.8	82.5	79.4	78.4	76.5	72.5
9											
10											
11											
12	96.3	47.5	86.8	6.6	69.9	90.0	82.6	77.2	74.5	70.8	67.2
13	95.0	48.8	86.9	6.5	70.3	90.5	82.0	77.3	75.4	71.6	67.8
14	91.3	48.8	83.4	5.8	68.6	82.5	80.0	75.3	73.2	69.9	66.8
15	98.8	47.5	84.9	6.1	69.2	86.4	81.0	76.8	74.7	70.8	66.8
16	98.8	51.3	85.8	5.8	70.9	87.1	82.6	77.6	75.7	72.7	68.5
17											
18	92.5	48.8	83.8	5.7	69.3	81.0	81.8	75.6	73.2	70.0	67.0
19											
20	87.5	38.8	90.4	8.5	68.5	105.8	82.6	76.0	73.1	70.2	67.3
21	92.5	47.5	83.5	6.3	67.5	84.8	79.1	74.3	71.9	68.4	65.2
22	95.0	48.8	87.4	6.8	70.1	91.9	82.2	77.6	74.9	71.1	67.5
23	92.5	46.3	86.1	7.0	68.3	92.8	80.2	75.6	73.5	69.9	66.4
24	95.0	43.8	85.3	7.1	67.3	85.1	78.8	71.7	68.5	64.7	60.7

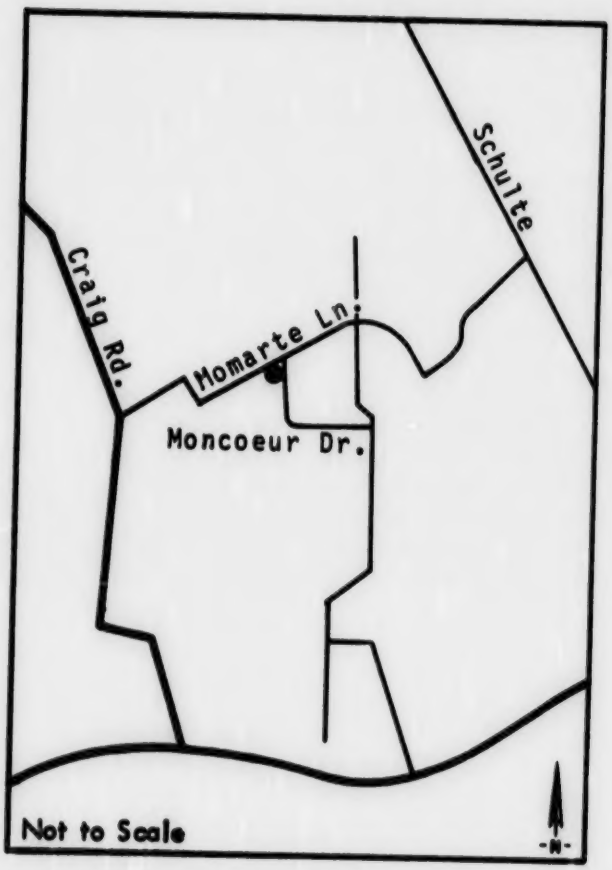
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.7	54.2	52.1	50.1	48.6	47.5	46.3	45.5	45.2	44.3
2	53.7	51.2	48.9	47.3	46.1	45.3	44.5	44.0	43.8	43.0
3	49.5	47.5	46.2	45.5	44.8	44.3	43.7	43.1	42.8	42.6
4	49.8	47.3	45.8	44.9	44.4	43.8	43.1	42.7	42.6	41.9
5	52.9	49.1	46.3	45.1	44.3	43.6	42.9	42.5	42.1	41.5
6	57.4	55.0	53.4	52.0	50.1	48.3	46.4	44.9	44.1	43.0
7	59.8	57.6	55.6	53.6	51.9	50.2	48.1	47.0	46.5	45.6
8	68.1	64.8	62.7	60.7	58.6	56.3	53.7	52.1	51.4	50.2
9										
10										
11										
12	64.9	63.2	61.6	60.1	58.6	56.8	54.4	52.8	51.9	50.6
13	65.7	64.0	62.4	60.9	59.3	57.5	55.3	53.9	52.8	51.3
14	64.8	63.4	62.1	60.8	59.4	57.8	55.7	54.2	53.4	52.0
15	64.6	63.0	61.6	60.3	59.0	57.4	55.6	54.3	53.5	52.1
16	66.3	64.7	63.4	62.2	61.0	59.6	57.9	56.8	56.3	55.1
17										
18	65.2	63.8	62.5	61.2	59.9	58.4	56.3	54.7	53.9	52.7
19										
20	64.0	61.4	59.3	57.3	55.1	52.3	48.3	45.5	43.9	41.9
21	63.0	61.1	59.5	58.0	56.5	54.9	53.0	51.6	51.0	50.1
22	65.2	63.3	61.6	59.9	58.1	56.3	54.2	52.9	52.2	51.2
23	64.0	62.0	60.1	58.2	56.2	54.3	52.2	51.0	50.3	49.3
24	58.1	56.0	54.0	52.3	50.7	49.3	47.9	47.1	46.6	46.1

FIGURE B-82(b). HOURLY NOISE DATA FOR PITTSBURGH SITE 0306



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	98.8	96.3	0.	68.7
MIN	38.8	40.0	8.	71.6
NPL	86.9	86.1	10.	72.8
SIG	6.6	8.1	12.	74.3
LEQ	69.9	65.4		
TNI	91.7	95.1		
L1	81.7	77.4		
L3	77.5	71.3		
L5	75.3	68.2		
L10	71.5	64.5		
L20	67.5	60.0		
L30	65.2	56.7		
L40	63.5	54.1		
L50	62.0	51.9		
L60	60.5	49.6		
L70	58.9	47.5		
L80	57.1	45.7		
L90	54.9	44.3		
L95	53.2	43.5		
L97	52.3	43.0		
L99	50.7	42.6		

FIGURE B-82(c). DAY/NIGHT NOISE DATA FOR PITTSBURGH SITE 0306



L_{DN}:	58.5 dB
ρ:	3,700 people/sq.mi.

SITE: 1201

Address: 1284 Moncoeur
Maryland Heights, MO

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

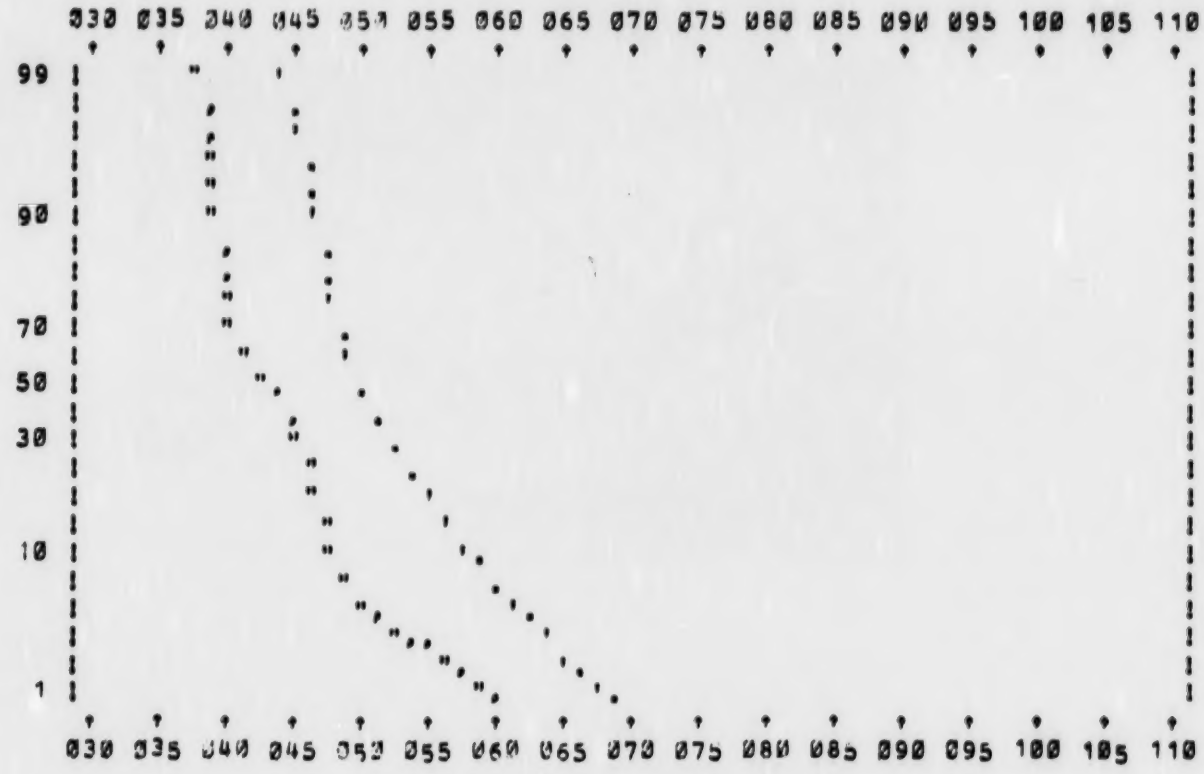
FIGURE B-83(a). DESCRIPTION OF ST. LOUIS SITE 1201

SITE # 1201

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	63.8	38.8	54.9	3.4	46.1	42.6	56.0	51.2	49.5	48.4	47.8
2	80.0	37.5	64.4	4.2	53.7	34.8	64.5	48.1	46.4	45.9	45.1
3	70.0	37.5	52.2	3.1	44.2	38.8	50.6	47.5	47.2	46.5	45.8
4	71.3	37.5	56.7	3.5	47.7	21.3	62.7	46.6	43.4	41.9	40.9
5	66.3	36.3	54.5	3.7	44.9	37.1	57.4	51.2	48.2	45.6	44.1
6											
7											
8	52.5	43.8	49.7	1.1	46.9	27.2	50.4	49.4	48.7	48.3	47.5
9	73.8	41.3	70.2	5.5	56.1	70.6	67.6	64.9	63.0	59.5	55.0
10	80.0	41.3	73.6	5.9	58.5	69.5	72.2	67.0	63.9	59.3	54.8
11	85.0	41.3	76.7	6.5	60.0	75.4	73.5	70.2	64.3	60.4	56.5
12	73.8	41.3	65.4	4.5	54.0	58.5	65.2	61.9	59.9	56.9	53.5
13	82.5	40.0	68.6	5.2	55.4	64.2	67.0	62.2	60.2	57.2	53.5
14	78.8	42.5	66.0	4.5	54.5	57.4	65.8	60.9	59.0	56.3	52.7
15	83.8	43.8	69.4	4.7	57.3	54.3	70.0	63.3	60.0	56.1	51.9
16	78.8	45.0	64.1	4.0	53.9	55.2	63.7	60.6	59.1	56.7	53.3
17	73.8	43.8	67.1	4.7	55.2	61.3	66.8	63.3	61.2	58.2	54.6
18											
19	85.0	46.3	69.3	4.4	58.1	60.4	68.7	64.9	63.0	60.1	56.9
20	95.0	47.5	71.4	4.2	60.8	59.6	70.0	65.8	63.8	60.9	57.4
21	82.5	46.3	67.9	4.1	57.4	52.6	69.1	63.1	60.5	57.3	54.2
22	83.8	43.8	69.3	4.5	57.8	52.9	69.9	62.4	59.9	56.4	52.6
23	80.0	40.0	65.0	4.4	53.8	52.3	65.0	61.0	58.8	54.4	49.8
24	67.5	40.0	54.4	2.8	47.3	36.0	56.0	52.4	50.6	48.5	47.4

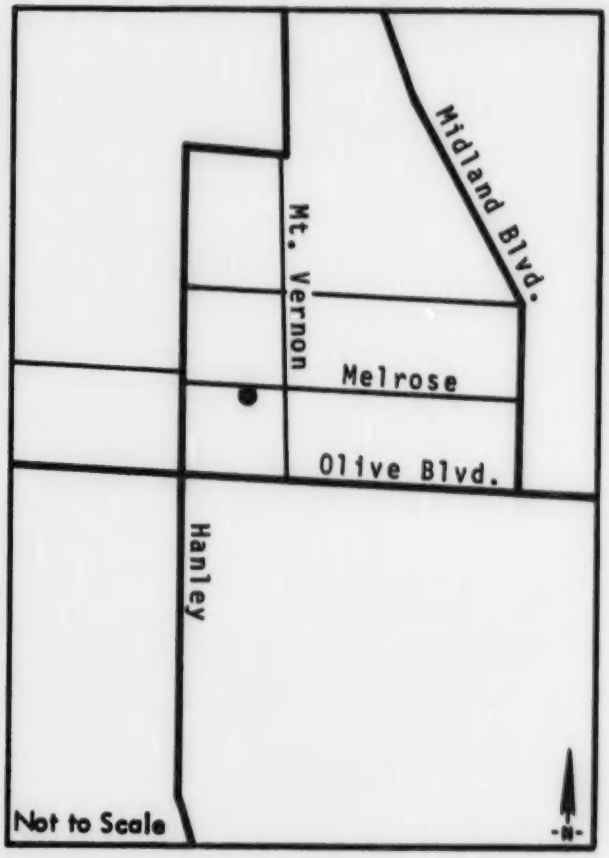
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	45.8	45.1	43.8	42.4	41.6	40.9	40.4	40.1	39.8	39.1
2	44.0	42.0	41.2	40.9	40.5	40.2	39.6	39.2	39.0	38.8
3	45.2	44.4	43.6	41.2	40.3	39.6	39.0	38.7	38.2	37.7
4	40.4	40.0	39.7	39.5	39.3	39.0	38.8	38.4	38.0	37.7
5	41.4	40.5	39.9	39.6	39.3	39.0	38.5	38.0	37.8	37.6
6										
7										
8	47.2	46.9	46.6	46.3	46.0	45.6	45.3	45.1	45.1	44.9
9	52.0	50.1	48.8	48.1	47.4	46.7	45.7	45.0	44.4	43.4
10	52.0	50.0	48.7	48.0	47.3	46.7	45.9	45.3	45.0	44.0
11	53.4	50.9	49.3	48.2	47.4	46.6	45.5	44.5	43.9	42.9
12	51.1	49.8	48.9	48.3	47.7	47.1	46.4	45.5	45.1	44.1
13	51.0	49.4	48.4	47.7	46.9	46.2	44.8	43.4	42.8	41.9
14	50.2	48.8	48.2	47.6	47.1	46.6	45.9	45.4	45.2	44.9
15	49.9	49.0	48.5	48.1	47.7	47.3	46.7	46.4	46.2	45.3
16	51.0	49.7	49.0	48.5	48.1	47.8	47.2	46.7	46.5	46.3
17	52.0	50.4	49.5	48.7	48.3	47.8	47.1	46.6	46.4	45.6
18										
19	54.9	53.5	52.5	51.9	51.3	50.6	49.9	49.1	48.8	48.0
20	55.7	54.7	54.0	53.4	52.8	52.1	51.3	50.6	50.3	49.8
21	52.7	52.0	51.3	50.8	50.2	49.6	48.9	48.2	47.9	47.5
22	51.1	50.3	49.8	49.3	48.9	48.3	47.6	46.7	46.2	45.3
23	48.7	48.2	47.7	47.2	46.7	46.2	45.1	43.9	43.0	41.9
24	46.9	46.5	46.0	45.2	44.1	43.3	42.7	42.2	41.8	41.4

FIGURE B-83(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1201



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	95.0	80.0	0.	55.8
MIN	40.0	36.3	8.	57.6
NPL	70.4	61.3	10.	58.5
SIG	5.1	4.5	12.	59.6
LEQ	57.4	49.9		
TNI	63.5	46.1		
L1	69.1	60.2		
L3	63.9	53.9		
L5	61.6	50.4		
L10	58.3	48.4		
L20	54.8	46.9		
L30	52.7	45.8		
L40	51.2	44.7		
L50	50.0	43.1		
L60	49.0	41.4		
L70	48.2	40.6		
L80	47.5	39.8		
L90	46.5	39.2		
L95	45.7	38.8		
L97	45.2	38.5		
L99	43.9	37.8		

FIGURE B-83(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1201



L_{DN}:	62.9	dB
ρ:	5,700	people / sq.mi.

SITE: 1203

Address: 7414 Melrose Ave.
University, MO

Microphone Height: 3.7 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-84(a). DESCRIPTION OF ST. LOUIS SITE 1203

SITE # 1203

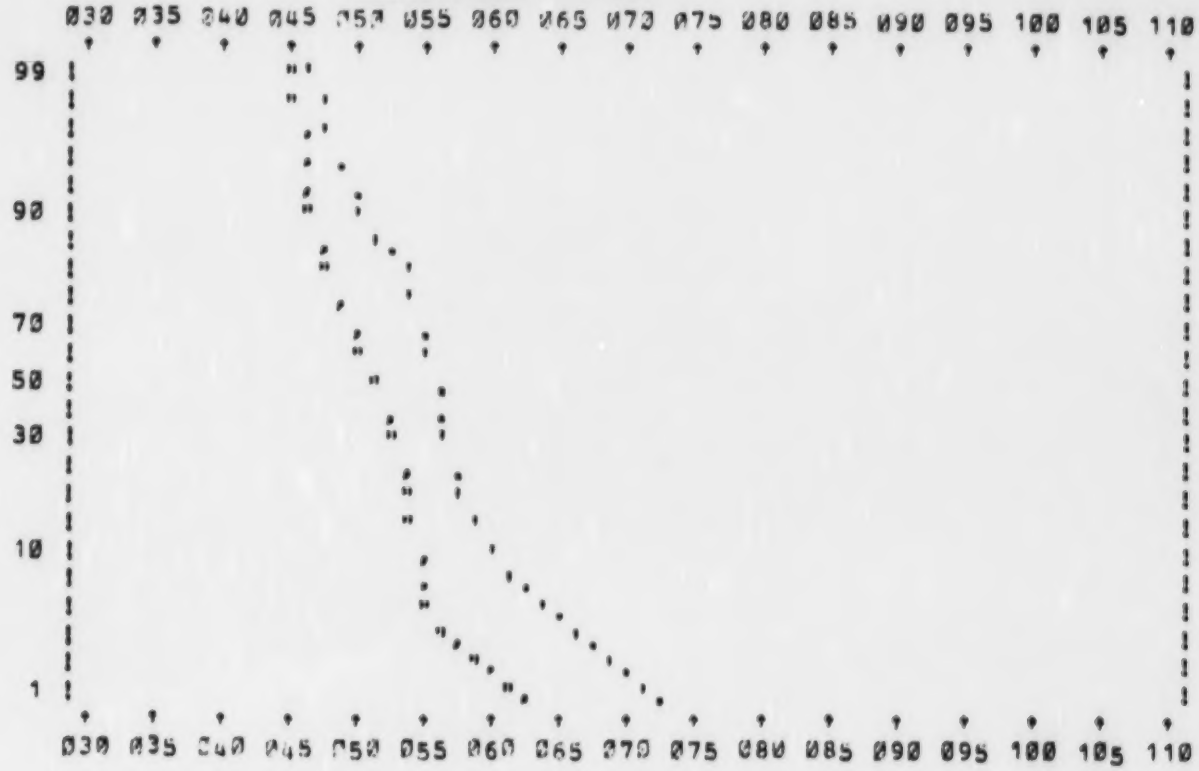
HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	75.0	47.5	61.0	2.3	55.2	35.3	64.3	58.1	56.1	55.0	54.5
2	70.0	47.5	58.7	2.0	53.7	37.6	61.1	56.6	55.8	54.9	54.3
3	61.3	47.5	56.3	1.6	51.8	36.3	55.9	54.7	54.2	53.6	52.9
4	56.3	46.3	53.1	1.0	50.4	30.4	52.5	52.3	52.2	51.8	51.2
5	63.8	43.8	55.5	2.4	49.5	36.0	58.4	53.6	51.4	50.8	50.0
6	71.3	43.8	54.5	2.1	49.0	31.1	55.4	51.1	50.3	49.3	48.2
7	67.5	42.5	54.7	2.3	48.7	33.9	56.6	52.8	51.3	49.9	48.7
8	78.8	43.8	69.7	4.8	57.3	53.4	71.0	65.6	61.7	56.2	52.6
9	78.8	45.0	73.7	5.6	59.3	71.0	71.9	68.5	66.1	61.1	55.7
10	91.3	52.5	82.4	5.7	67.7	65.6	81.7	75.6	71.3	64.4	58.2
11	85.0	47.5	71.9	4.7	59.8	54.7	72.7	67.5	63.2	58.3	54.7
12	81.3	50.0	70.9	3.9	60.9	55.9	72.6	68.0	65.5	62.0	59.6
13	83.8	52.5	69.9	3.5	60.0	46.9	72.1	66.8	63.6	59.7	57.1
14	88.8	52.5	68.4	2.8	61.2	39.0	70.2	63.4	61.0	58.6	57.3
15	85.0	52.5	71.4	3.7	61.9	50.8	74.8	68.7	65.1	61.5	58.7
16	85.0	52.5	63.7	2.2	58.0	39.6	67.1	62.9	60.9	58.7	57.4
17	85.0	53.8	65.7	2.6	59.1	40.9	69.5	63.8	61.5	59.1	57.5
18											
19											
20	86.3	52.5	67.8	2.9	60.4	52.9	68.0	65.7	64.4	62.5	60.7
21	81.3	51.3	64.1	2.5	57.7	47.1	65.6	62.8	61.5	59.8	58.2
22	87.5	51.3	73.2	4.1	62.7	46.6	77.1	66.7	64.0	58.9	56.1
23	81.3	50.0	67.7	3.4	59.0	41.9	71.7	64.1	60.7	57.4	55.5
24	82.5	48.8	66.5	3.2	58.3	38.3	69.5	63.0	59.9	55.9	54.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	54.0	53.6	53.3	52.9	52.6	52.1	51.5	51.1	50.6	50.2
2	53.7	53.3	52.9	52.6	52.0	51.5	50.7	50.2	50.0	49.2
3	52.3	51.8	51.2	50.8	50.4	49.9	49.3	49.0	48.9	48.5
4	50.9	50.6	50.4	50.1	49.8	49.3	48.9	48.4	48.0	47.6
5	49.5	49.0	48.4	47.8	47.2	46.6	45.8	45.3	45.1	44.6
6	47.5	47.2	46.9	46.6	46.3	45.8	45.4	45.2	45.1	44.6
7	48.1	47.5	47.0	46.6	46.2	45.7	45.2	44.9	44.4	43.9
8	50.9	49.9	49.3	48.8	48.3	47.8	47.2	46.7	46.4	46.1
9	54.3	52.8	51.3	50.4	49.6	48.8	47.8	47.1	46.7	46.3
10	56.3	55.8	55.4	54.9	54.6	54.3	54.0	53.9	53.8	53.4
11	53.2	52.2	51.6	51.1	50.6	50.2	49.5	49.1	48.9	48.4
12	58.2	57.2	56.2	55.6	55.0	54.5	54.0	53.7	53.0	52.0
13	56.2	55.7	55.3	54.9	54.6	54.3	54.0	53.8	53.7	52.9
14	57.0	56.6	56.2	55.9	55.7	55.4	55.1	54.8	54.4	54.0
15	57.5	57.1	56.6	56.2	55.8	55.4	55.1	54.5	54.2	53.9
16	57.1	56.7	56.3	56.0	55.7	55.4	55.1	54.5	54.2	53.9
17	57.1	56.7	56.3	56.0	55.7	55.4	55.1	54.8	54.4	54.0
18										
19										
20	59.7	58.9	58.3	57.7	57.1	56.5	55.7	55.1	54.8	54.1
21	57.4	56.8	56.3	55.8	55.3	54.7	54.0	53.5	53.1	52.7
22	55.3	54.8	54.6	54.3	54.0	53.6	53.0	52.8	52.6	52.5
23	54.8	54.4	53.9	53.6	53.2	52.9	52.5	51.9	51.6	51.3
24	54.3	53.9	53.6	53.2	52.9	52.5	51.8	51.5	51.3	50.7

FIGURE B-84(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1203

SITE # 1203

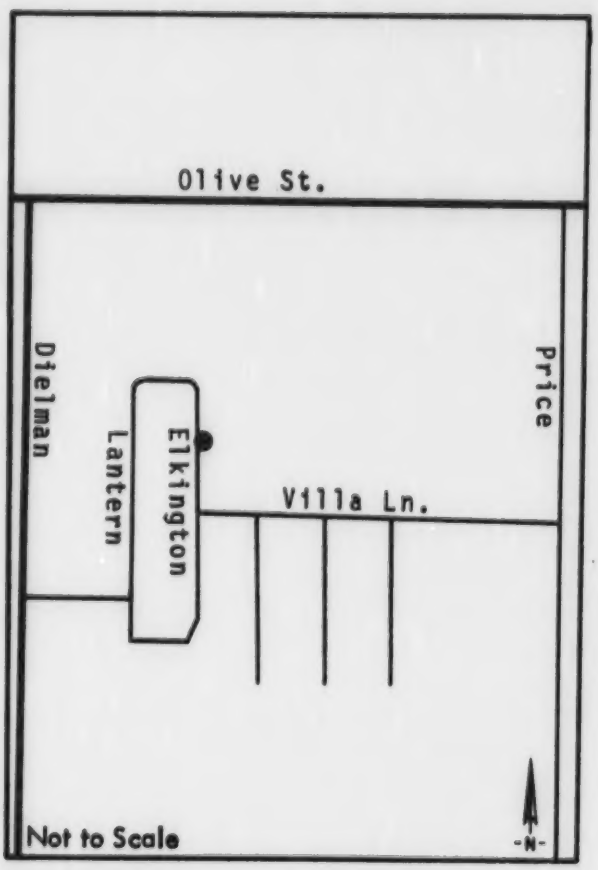
Reproduced from best available copy.



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	91.3	82.5	0.	60.0
MIN	43.8	42.5	8.	61.9
NPL	73.0	63.8	10.	62.9
SIG	4.5	3.6	12.	64.1
LEQ	61.5	54.5		
TNI	62.4	49.5		
L1	72.6	62.7		
L3	66.7	57.3		
L5	63.9	55.8		
L10	60.5	54.7		
L20	58.0	53.7		
L30	57.0	53.0		
L40	56.3	52.3		
L50	55.7	51.3		
L60	55.2	50.4		
L70	54.6	49.3		
L80	53.9	47.8		
L90	50.6	46.5		
L95	48.8	45.7		
L97	48.0	45.4		
L99	47.0	45.0		

FIGURE B-84(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1203



L_{DN}:	56.2	dB
ρ:	3,100	people / sq.mi.

SITE: 1204

Address: 748 Elkington
Olivette, MO

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

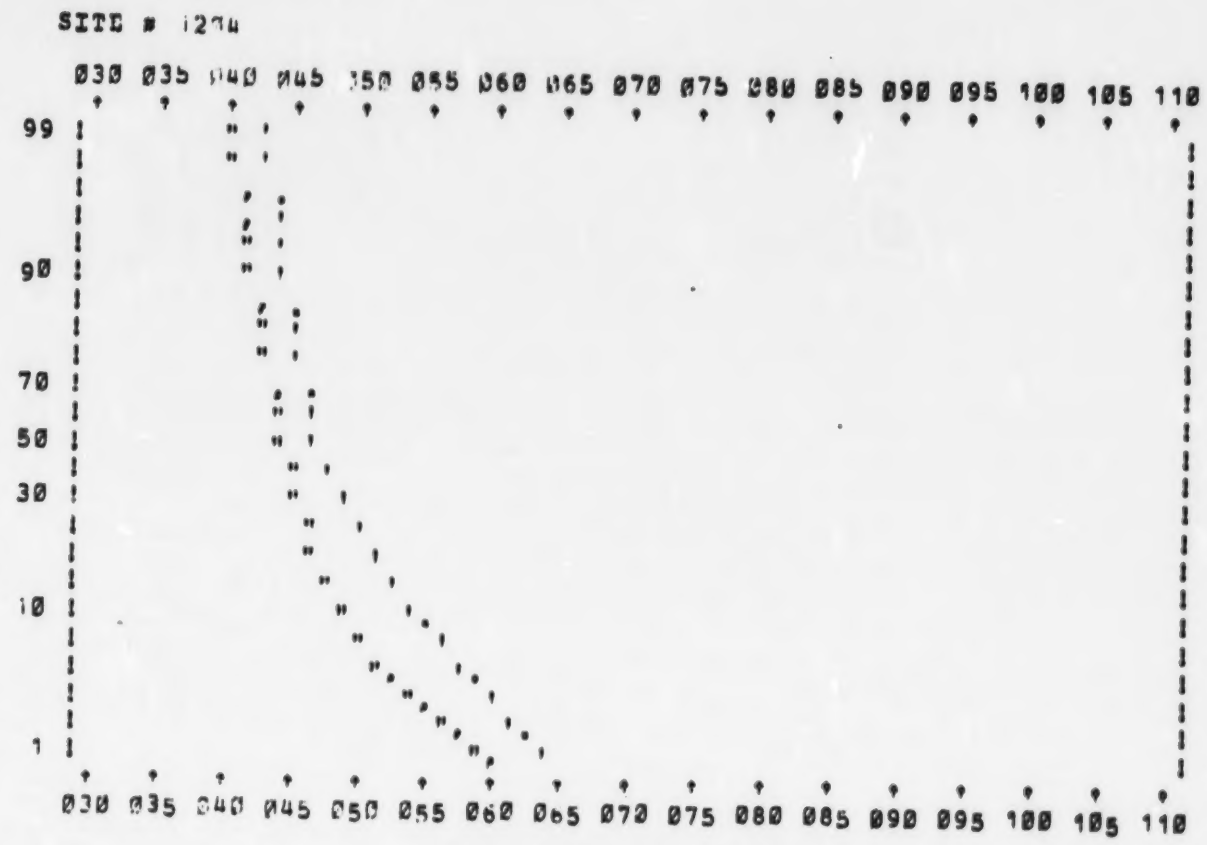
FIGURE B-85(a). DESCRIPTION OF ST. LOUIS SITE 1204

SITE # 1204

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	67.5	41.3	55.1	2.6	48.5	27.6	61.0	51.5	48.8	47.4	46.7
2	66.3	40.0	53.3	2.6	46.5	34.4	55.1	51.5	50.1	48.0	46.2
3	77.5	38.8	61.4	3.6	52.1	24.9	65.6	50.5	46.2	44.9	44.3
4	61.3	38.8	47.0	1.6	42.8	26.0	47.2	45.3	44.9	44.3	43.5
5	51.3	38.8	46.1	1.2	43.0	24.1	45.9	45.0	44.9	44.5	43.8
6	68.8	38.8	58.1	4.0	47.7	52.8	56.7	54.5	53.4	51.2	48.0
7	70.0	38.8	66.1	5.3	52.6	64.2	64.8	61.9	59.9	55.6	48.8
8	73.8	41.3	65.7	4.7	53.7	62.5	64.4	61.8	60.2	57.2	53.5
9	70.0	41.3	60.2	3.6	50.9	48.8	60.5	56.6	54.9	53.1	51.2
10	73.8	41.3	56.3	3.0	48.7	42.2	56.7	54.2	53.0	51.2	49.3
11	78.8	40.0	62.2	4.1	51.8	47.4	62.2	57.*	55.4	51.8	48.6
12	73.8	40.0	62.8	4.4	51.6	53.1	63.2	59.	57.4	53.4	49.6
13	76.3	40.0	64.1	4.5	52.5	56.8	62.3	59.2	57.3	54.6	51.2
14	75.0	40.0	71.0	6.0	55.5	74.6	67.1	64.7	62.9	59.2	53.5
15	77.5	41.3	69.7	5.5	55.6	65.6	68.2	63.7	61.4	57.3	53.0
16	72.5	41.3	57.8	3.2	49.5	42.9	59.6	56.3	54.4	51.6	49.1
17	70.0	41.3	67.6	5.2	54.4	60.8	66.6	64.1	61.4	56.3	52.3
18	72.5	41.3	65.3	4.7	53.2	59.1	65.0	62.0	59.3	55.8	51.6
19	76.3	42.5	64.4	4.2	53.7	58.9	62.9	59.9	58.6	56.6	54.2
20	68.8	42.5	58.9	3.4	50.2	46.6	59.8	56.8	55.1	52.9	50.5
21	77.5	42.5	64.5	4.5	52.8	55.9	64.2	61.3	58.9	55.1	51.5
22	66.3	41.3	52.4	2.0	47.3	28.2	55.9	51.0	49.4	48.1	47.2
23	80.0	42.5	58.0	3.1	50.1	39.1	60.4	56.4	54.3	51.2	48.7
24	67.5	41.3	55.5	2.7	48.5	37.1	57.1	53.7	52.1	49.9	48.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	46.1	45.8	45.5	45.2	44.9	44.4	44.0	43.8	43.3	42.7
2	45.5	44.9	44.5	44.1	43.7	43.1	42.5	41.8	41.5	41.3
3	43.7	43.4	43.1	42.8	42.5	42.1	41.6	41.3	41.2	40.4
4	43.1	42.7	42.2	41.8	41.4	41.0	40.4	40.2	40.1	39.6
5	43.5	43.2	42.8	42.5	42.1	41.7	41.3	40.6	40.4	40.1
6	46.1	44.9	44.1	43.4	42.6	41.6	40.7	40.2	40.0	39.2
7	46.8	45.8	45.2	44.6	44.1	43.5	42.8	42.1	41.7	41.3
8	51.1	49.6	48.5	47.7	47.0	46.4	45.4	44.8	44.3	43.8
9	49.8	48.6	47.7	46.9	46.2	45.5	44.5	43.9	43.5	42.8
10	48.1	47.2	46.5	45.9	45.4	44.9	44.2	43.8	43.4	42.7
11	47.1	46.1	45.6	45.1	44.6	44.0	43.3	42.8	42.6	41.9
12	47.9	47.0	46.2	45.6	45.0	44.3	43.5	42.9	42.7	42.0
13	49.5	48.0	46.9	46.1	45.3	44.6	43.8	43.1	42.8	42.3
14	49.9	48.1	46.9	46.0	45.4	44.7	44.0	43.4	42.9	42.3
15	50.2	48.4	47.2	46.4	45.8	45.3	44.6	44.1	43.9	43.3
16	47.9	47.1	46.6	46.1	45.6	45.2	44.5	44.1	43.9	43.2
17	49.6	48.2	47.3	46.7	46.1	45.5	44.8	44.1	43.9	43.1
18	49.3	48.0	47.1	46.5	45.9	45.4	44.7	44.1	43.8	43.1
19	53.0	52.1	51.3	50.2	48.6	47.1	45.8	45.2	44.8	44.1
20	48.7	47.6	47.0	46.5	46.0	45.5	45.0	44.4	44.1	43.8
21	49.4	47.9	47.0	46.4	45.9	45.4	44.9	44.3	44.0	43.8
22	46.7	46.2	46.0	45.7	45.5	45.2	44.7	44.2	44.0	43.8
23	47.6	47.2	46.8	46.5	46.1	45.7	45.3	45.1	44.8	44.1
24	48.0	47.3	46.5	45.9	45.4	44.9	44.2	43.9	43.6	42.9

FIGURE B-85(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1204



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	78.8	80.0	0.	51.7
MIN	40.0	38.8	6.	54.9
NPL	64.2	58.5	10.	56.2
SIG	4.5	3.7	12.	57.8
LEQ	52.7	49.1		
TNI	55.2	40.8		
L1	64.5	60.5		
L3	60.3	54.5		
L5	58.0	51.9		
L10	54.6	48.9		
L20	51.3	47.0		
L30	49.2	46.0		
L40	47.9	45.2		
L50	47.0	44.5		
L60	46.3	43.9		
L70	45.7	43.2		
L80	45.2	42.6		
L90	44.4	41.6		
L95	43.9	41.0		
L97	43.4	40.5		
L99	42.7	40.1		

FIGURE B-85(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1204

L_{DN}:	64.1	dB
ρ:	21,900	people / sq.mi.

SITE: 1205

Address: 2837 Accomac
St. Louis, MO

Microphone Height: 3.7 m.

Distance to Curb: 5.9 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-86(a). DESCRIPTION OF ST. LOUIS SITE 1205

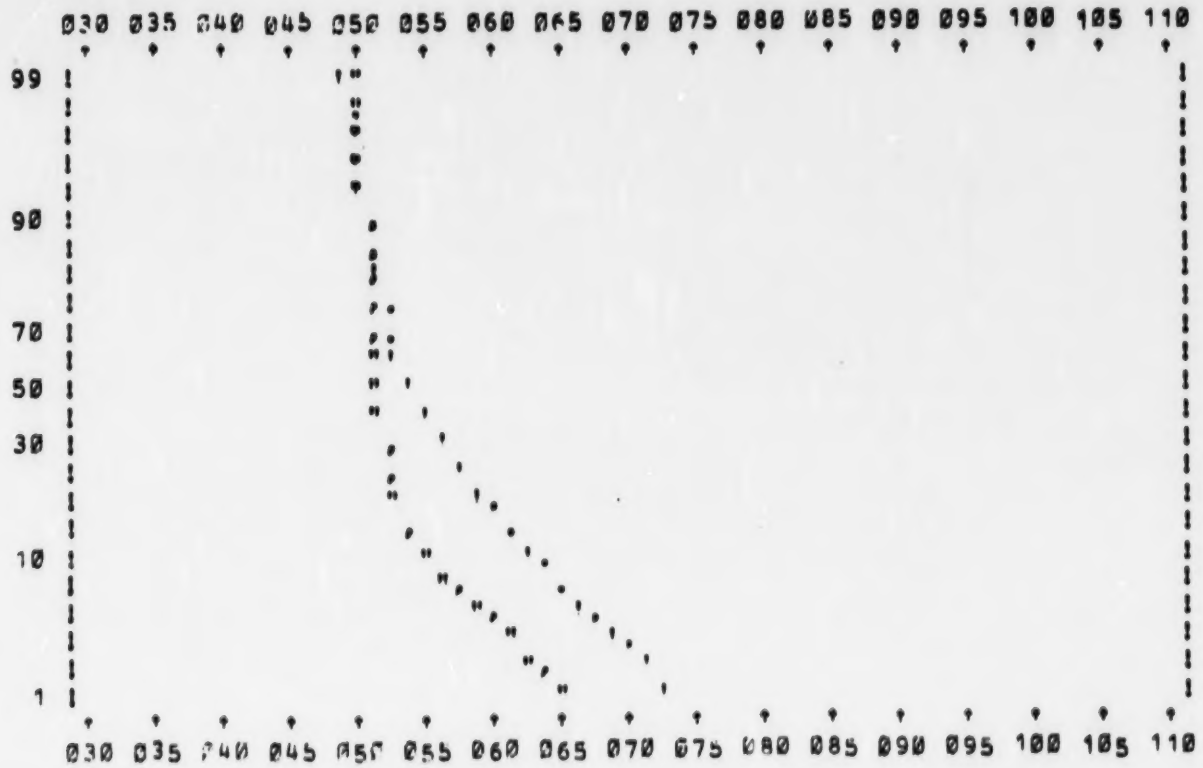
SITE # 1205

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	80.0	48.8	59.9	2.2	54.1	31.6	62.5	58.2	55.3	53.2	52.4
2	68.8	50.0	55.4	1.3	52.0	28.7	57.7	54.1	53.1	52.4	52.2
3	78.8	48.8	54.3	1.1	51.6	26.4	55.3	52.7	52.4	52.3	51.9
4	72.5	48.8	54.3	1.0	51.6	28.5	55.9	52.5	52.4	52.3	52.1
5	85.0	50.0	57.8	1.5	54.0	28.4	56.5	52.6	52.5	52.4	52.1
6	76.3	50.0	57.5	1.8	52.8	28.9	62.1	56.1	54.3	52.5	52.3
7	80.0	50.0	62.7	2.8	55.4	41.7	64.4	61.1	59.3	56.1	53.9
8	80.0	50.0	63.0	2.9	55.6	46.2	64.5	61.5	59.9	57.6	55.4
9	72.5	50.0	61.5	2.6	54.9	40.6	64.2	60.6	58.6	56.2	54.6
10	77.5	48.8	64.6	3.3	56.3	51.0	66.0	62.2	60.6	58.5	56.5
11	92.5	47.5	71.0	4.6	59.1	63.9	68.7	65.3	63.6	61.0	57.9
12	87.5	47.5	68.8	4.1	58.3	55.6	67.8	63.8	61.7	58.9	56.0
13	88.8	48.8	76.2	5.5	62.1	74.8	73.6	69.4	67.3	64.2	60.3
14	90.0	47.5	80.4	6.3	64.4	75.7	77.7	72.5	69.3	64.1	58.9
15	80.0	47.5	66.8	4.0	56.6	55.7	66.9	63.5	61.5	58.5	55.6
16	87.5	48.8	81.4	6.5	64.8	95.2	74.6	73.1	72.2	70.0	63.2
17	88.8	47.5	80.4	6.2	64.4	84.7	74.8	73.1	71.9	67.4	63.1
18	87.5	48.8	74.7	5.0	61.8	71.3	72.7	68.7	67.0	64.0	60.7
19	88.8	48.8	77.6	5.6	63.4	76.4	74.7	70.8	68.7	65.6	62.2
20	91.3	48.8	80.9	5.8	66.1	77.1	76.4	71.3	68.8	65.9	62.9
21	92.5	48.8	74.9	4.9	62.4	69.8	72.2	68.4	66.7	64.3	61.4
22	86.3	48.8	70.4	4.3	59.3	58.5	70.2	65.2	63.0	60.0	57.1
23	91.3	48.8	75.1	5.2	61.8	70.2	72.5	68.6	66.6	63.4	59.5
24	88.8	48.8	69.0	4.0	58.7	53.9	68.9	65.0	62.7	58.9	55.4

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	52.1	51.9	51.7	51.5	51.3	50.8	50.4	50.2	50.1	50.0
2	52.0	51.7	51.5	51.3	51.0	50.6	50.3	50.2	50.1	50.0
3	51.6	51.2	51.0	50.8	50.6	50.4	50.2	50.1	50.1	50.0
4	51.8	51.6	51.3	51.1	50.8	50.5	50.3	50.1	50.1	50.0
5	51.9	51.7	51.5	51.3	51.0	50.7	50.3	50.2	50.1	50.0
6	52.1	51.8	51.6	51.4	51.1	50.7	50.4	50.2	50.1	50.0
7	52.9	52.4	52.1	51.9	51.6	51.4	50.9	50.5	50.3	50.1
8	54.2	53.4	52.8	52.4	52.0	51.7	51.4	51.1	50.6	50.2
9	53.7	53.2	52.7	52.3	52.0	51.7	51.4	51.1	50.7	50.2
10	55.2	54.2	53.4	52.8	52.2	51.7	51.0	50.5	50.3	50.1
11	55.7	54.0	52.7	51.8	51.1	50.6	50.1	49.5	49.2	48.9
12	54.4	53.7	52.2	51.5	50.9	50.5	50.0	49.4	49.1	48.9
13	57.7	55.8	54.4	53.3	52.3	51.6	50.7	50.2	50.1	49.3
14	56.0	54.1	52.8	52.0	51.3	50.8	50.3	50.0	49.5	49.0
15	53.7	52.5	51.7	51.1	50.6	50.2	49.5	49.1	49.0	48.8
16	60.5	58.6	57.0	55.6	54.2	52.9	51.6	50.8	50.4	50.1
17	60.2	58.1	56.4	55.0	53.9	52.7	51.6	50.9	50.5	50.1
18	58.3	56.8	55.6	54.6	53.6	52.5	51.6	51.0	50.6	50.2
19	59.7	57.7	56.2	55.0	53.9	52.9	51.9	51.4	51.1	50.4
20	60.7	58.9	57.2	55.7	54.6	53.4	52.2	51.6	51.3	50.5
21	59.4	57.6	56.3	55.3	54.3	53.4	52.4	51.6	51.3	50.4
22	55.3	53.9	52.9	52.2	51.6	51.0	50.5	50.2	50.1	49.9
23	57.1	55.2	53.8	52.6	52.2	51.7	51.1	50.6	50.3	50.1
24	53.7	52.6	52.2	51.9	51.6	51.3	50.6	50.3	50.2	50.1

FIGURE B-86(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1205

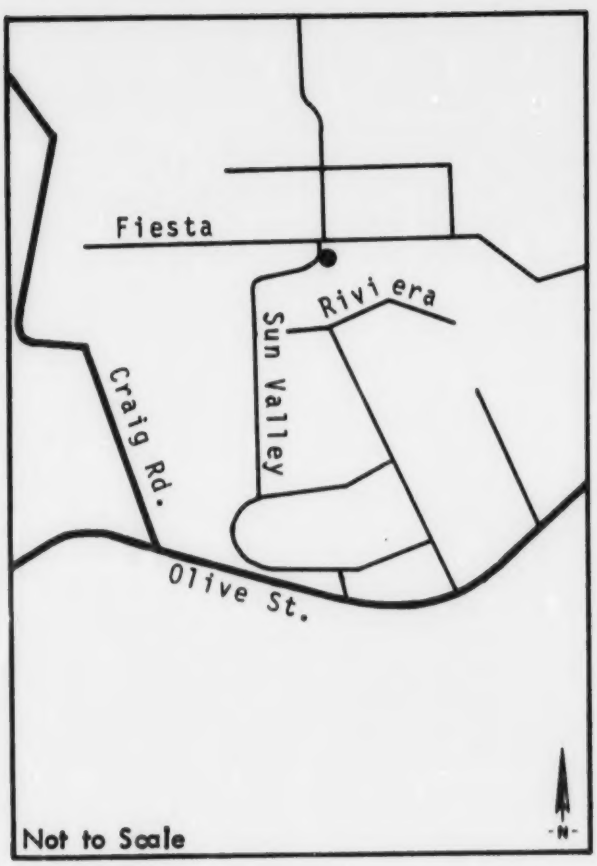
SITE # 1205



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	92.5	91.3	0.	60.5
MIN	47.5	48.8	8.	62.9
NPL	75.5	64.0	10.	64.1
SIG	5.3	3.0	12.	65.4
LEQ	61.9	56.2		
TNI	70.1	39.2		
L1	73.4	66.2		
L3	69.2	61.5		
L5	66.4	58.8		
L10	63.0	55.		
L20	59.3	52.5		
L30	56.9	52.2		
L40	55.3	52.0		
L50	54.0	51.7		
L60	53.1	51.5		
L70	52.2	51.2		
L80	51.5	50.8		
L90	50.7	50.4		
L95	50.2	50.2		
L97	50.0	50.1		
L99	44.2	50.0		

FIGURE B-86(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1205



L_{DN}:	60.0	dB
ρ:	3,700	people / sq.mi.

SITE: 1206

Address: 57 Sun Valley Dr.
Maryland Heights, MO

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

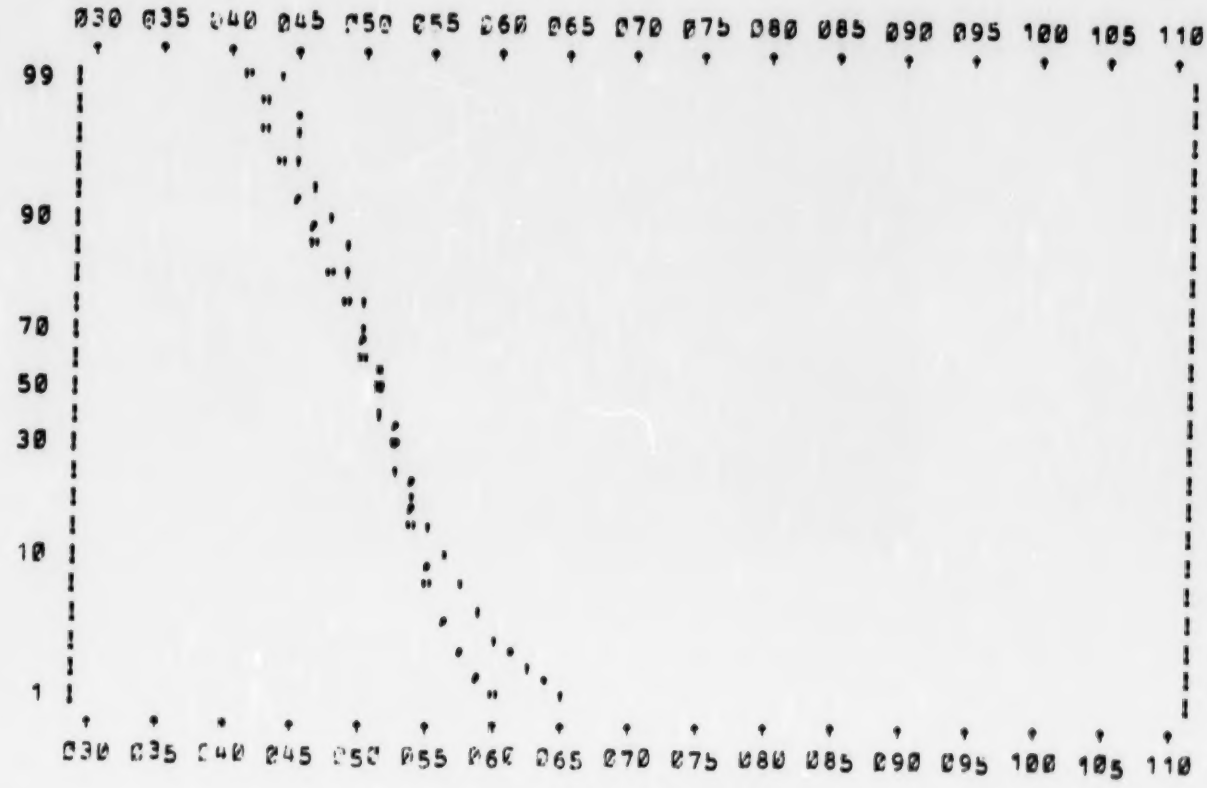
FIGURE B-87(a). DESCRIPTION OF ST. LOUIS SITE 1206

SITE # 1206

HR	MAX	MIN	MPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	76.3	47.5	61.6	2.7	54.7	44.6	62.1	58.6	57.4	56.0	54.8
2	75.0	46.3	60.1	2.6	53.5	40.1	59.3	55.8	54.8	53.9	53.4
3	66.3	45.0	57.7	2.5	51.4	41.0	57.6	55.0	54.3	53.3	52.3
4	62.5	42.0	57.7	3.4	49.0	49.2	54.5	53.2	52.5	52.0	51.2
5	60.0	38.8	56.8	3.4	48.1	47.3	53.3	52.3	52.0	51.2	50.6
6	68.8	41.3	59.2	3.2	51.1	48.4	56.6	55.1	54.6	53.7	52.7
7	75.0	45.0	61.7	2.9	54.3	48.9	61.4	59.3	58.3	56.8	55.0
8	83.8	45.0	68.7	4.1	58.3	56.4	69.2	64.6	62.0	59.0	56.8
9	76.3	42.5	69.5	4.7	57.4	60.7	69.8	65.5	62.7	58.7	55.5
10	81.3	42.5	64.7	4.1	54.3	57.0	64.1	61.1	59.5	56.8	53.9
11	82.5	41.3	64.9	4.3	54.1	54.8	64.6	60.1	57.8	54.8	52.3
12	83.8	41.3	68.8	4.7	56.9	53.5	67.8	60.9	58.2	54.4	52.0
13	75.0	41.3	62.5	3.8	52.6	51.8	62.9	59.2	56.9	54.0	51.7
14	75.0	42.5	61.4	3.3	53.1	49.4	61.8	59.1	57.6	55.3	52.8
15	77.5	46.3	66.6	4.3	57.6	57.3	70.5	64.1	61.2	58.3	55.9
16	80.0	42.5	64.2	3.7	54.7	51.9	64.5	60.2	58.8	57.3	55.2
17	73.8	42.5	60.9	3.0	53.1	38.3	63.8	59.1	56.9	53.8	51.7
18	82.5	48.8	65.7	3.6	56.4	45.7	68.0	62.2	59.7	56.3	53.1
19	78.8	48.8	62.4	2.8	55.1	41.5	65.4	60.1	58.2	55.7	53.6
20	76.3	48.8	62.2	2.8	55.1	41.2	64.4	60.4	58.8	55.9	53.6
21	81.3	47.5	62.6	2.7	55.8	36.7	65.3	59.1	57.4	55.2	53.6
22	75.0	47.5	61.6	2.7	54.7	38.1	64.8	58.2	56.1	54.1	53.5
23	77.5	47.5	64.0	3.1	56.1	40.8	66.6	60.1	57.2	55.1	53.9
24	82.5	47.5	61.0	2.6	54.5	42.0	63.1	58.6	57.3	55.7	54.4

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	54.2	53.6	53.2	52.7	51.9	50.8	49.8	49.2	49.0	48.7
2	52.9	52.5	51.9	51.3	50.1	49.3	48.5	48.0	47.8	47.6
3	51.9	51.6	51.0	49.8	48.7	48.1	47.4	46.8	46.6	46.4
4	50.4	48.9	47.3	46.7	45.8	44.3	43.0	42.3	41.9	41.4
5	49.9	47.7	46.2	45.2	44.4	43.7	42.6	41.7	41.4	40.6
6	51.9	51.1	50.2	49.2	48.0	46.7	45.4	44.6	44.2	43.8
7	54.3	53.5	52.9	52.3	51.5	50.6	49.4	48.6	48.1	47.3
8	55.8	55.0	54.3	53.6	52.8	51.6	49.9	48.8	48.2	47.6
9	54.3	52.9	52.1	51.3	50.5	49.5	48.0	46.8	46.1	45.0
10	52.4	51.7	50.9	50.1	48.9	47.8	46.7	46.0	45.5	45.0
11	51.2	50.6	50.1	49.2	48.3	46.4	44.9	44.1	43.7	42.9
12	51.1	50.5	50.0	48.9	47.1	45.8	44.7	44.0	43.8	42.9
13	50.6	50.2	49.7	49.3	48.9	46.5	44.7	44.0	43.7	42.9
14	51.9	51.2	50.8	50.4	50.1	49.3	47.3	45.9	45.4	44.6
15	54.9	52.7	52.2	51.8	51.3	50.6	48.7	47.7	47.3	46.6
16	52.8	51.4	51.0	50.7	50.4	50.0	49.1	47.2	45.9	44.8
17	51.1	50.9	50.6	50.3	50.1	49.6	48.9	46.4	45.4	44.3
18	52.0	51.2	51.0	50.7	50.5	50.2	49.8	49.3	49.1	48.9
19	52.8	52.3	52.0	51.7	51.5	51.1	50.5	50.2	50.0	49.3
20	52.9	52.4	52.1	51.9	51.6	51.3	50.7	50.4	50.2	50.1
21	53.2	52.8	52.4	52.1	51.9	51.6	51.3	49.9	49.2	48.3
22	53.1	52.6	52.5	52.0	51.6	50.6	49.4	49.0	48.9	48.4
23	53.4	53.1	52.7	52.2	51.3	50.6	49.9	49.3	49.1	48.8
24	53.7	53.3	53.0	52.6	51.9	51.1	50.3	49.7	49.1	48.2

FIGURE B-87(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1206



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	63.8	82.5	0.	54.8
MIN	41.3	36.8	8.	58.6
NPL	65.5	62.7	10.	60.0
SIG	3.9	3.7	12.	61.7
LEQ	55.5	53.2		
TNI	51.9	51.4		
L1	66.2	60.6		
L3	61.0	57.3		
L5	58.9	56.		
L10	56.3	54.7		
L20	53.8	53.5		
L30	52.7	52.9		
L40	52.0	52.2		
L50	51.4	51.5		
L60	50.9	50.6		
L70	50.3	49.6		
L80	49.6	48.		
L90	47.8	45.8		
L95	45.8	44.0		
L97	45.0	43.		
L99	43.9	41.9		

FIGURE B-87(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1206

L_{DN}:	61.0	dB
ρ:	11,400	people / sq.mi.

SITE: 1208

Address: 4542 Varrelmann
St. Louis, MO

Microphone Height: 3.7 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

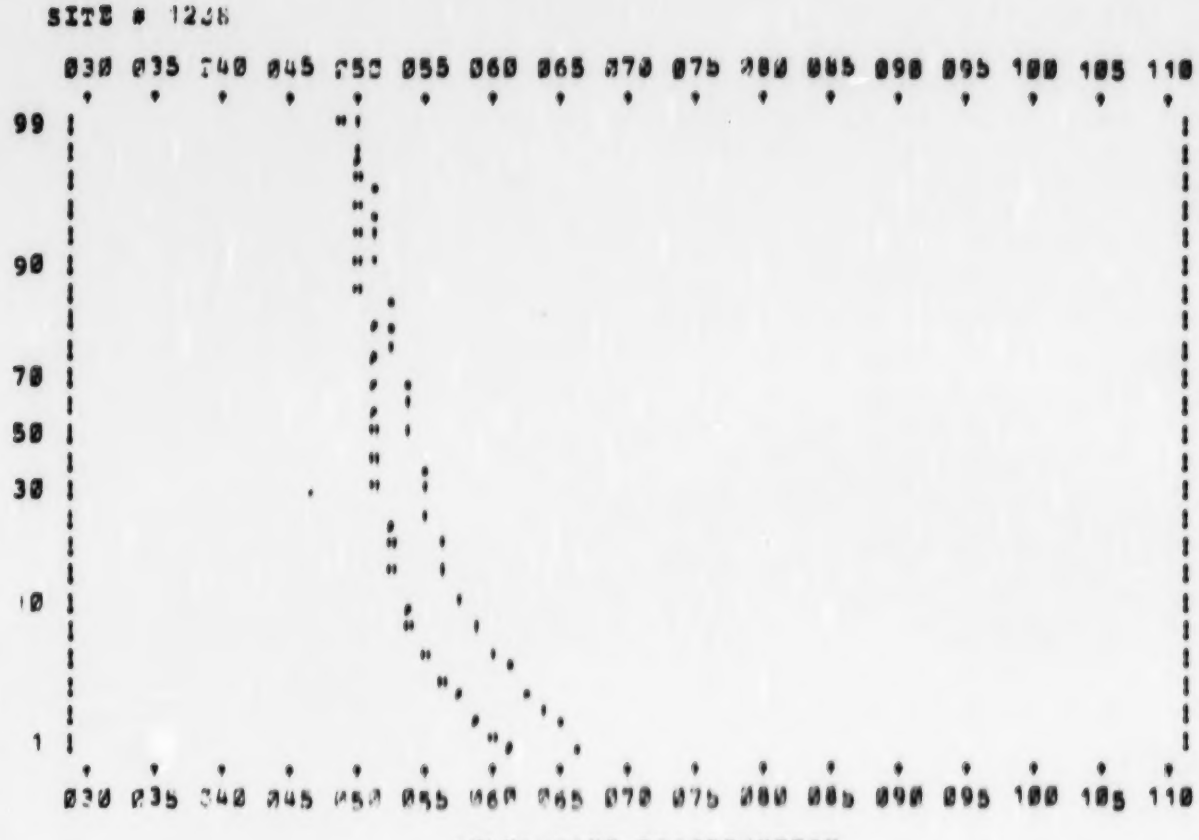
FIGURE B-88(a). DESCRIPTION OF ST. LOUIS SITE 1208

SITE # 1208

HR	MAX	MIN	NPL	SIG	LEQ	TNL	L1	L3	L5	L10	L20
1	83.8	46.8	58.3	1.7	53.9	31.0	58.0	55.0	53.9	52.9	52.3
2	68.8	48.8	54.7	1.2	51.6	29.1	56.5	53.7	53.2	52.4	52.1
3	72.5	48.5	57.3	1.8	52.3	28.9	60.7	54.7	53.3	52.3	51.6
4	90.2	48.5	61.6	2.3	55.6	28.3	64.2	56.2	53.5	52.1	51.2
5	57.5	48.8	52.7	0.7	51.0	27.7	53.0	52.4	52.3	52.0	51.5
6	71.3	48.8	56.9	1.7	52.7	32.7	58.6	55.8	54.6	53.5	52.5
7	75.0	47.5	57.9	2.0	52.9	37.2	59.5	56.9	55.8	54.5	53.3
8	77.5	48.8	64.1	2.8	56.9	43.3	67.4	61.1	58.9	57.4	55.9
9	81.3	48.8	63.1	2.6	56.3	42.6	65.2	60.2	58.6	56.9	55.4
10	82.5	48.8	67.7	3.8	58.1	48.8	70.2	64.8	61.8	58.0	55.4
11	81.3	47.5	67.8	3.9	57.7	54.6	69.2	64.9	62.4	59.1	56.0
12	77.5	47.5	63.2	3.0	55.6	44.5	65.4	61.1	58.8	56.6	54.9
13	83.8	47.5	66.8	3.5	57.8	50.2	67.6	63.8	61.6	58.5	56.1
14	78.8	48.8	64.9	3.1	57.1	50.2	66.1	62.9	61.2	59.2	57.4
15	103.7	50.0	72.1	3.4	63.5	49.3	69.7	63.4	61.5	59.3	56.4
16	81.3	51.3	63.7	2.5	57.2	43.3	65.6	62.5	60.8	58.4	56.3
17	82.5	51.3	63.3	2.3	57.3	42.5	65.7	62.3	60.8	58.7	57.2
18	77.5	52.5	64.7	2.7	57.8	45.2	67.4	63.7	61.8	59.3	57.3
19	75.0	51.3	62.3	2.3	56.4	39.8	65.2	61.5	59.7	57.4	56.0
20	73.8	51.3	61.4	2.1	56.1	38.9	64.2	60.9	59.4	57.5	56.1
21	81.3	48.8	66.1	3.1	58.1	46.8	67.5	62.1	60.1	58.0	56.1
22	78.8	48.8	62.2	2.8	55.0	42.0	64.5	60.5	58.3	55.9	54.0
23	81.3	48.8	64.6	3.1	56.7	45.5	66.2	62.1	60.0	57.5	55.6
24	76.3	48.8	59.6	2.3	53.7	33.7	64.6	57.7	55.5	53.7	52.8

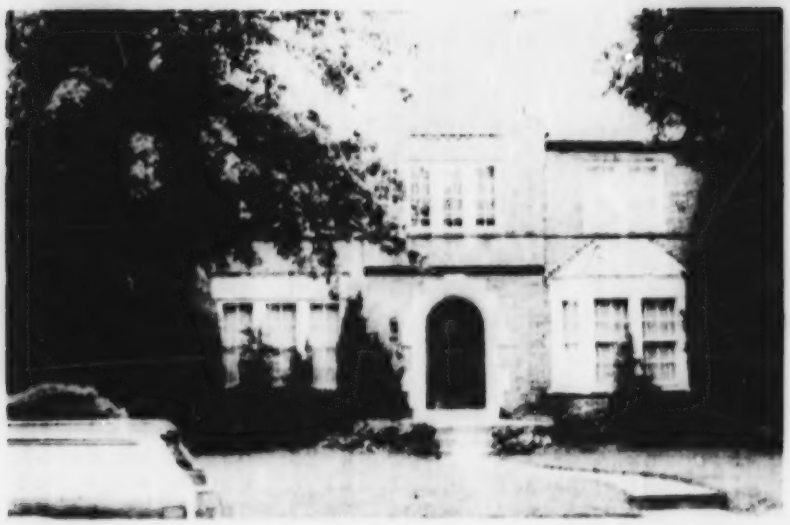
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	52.0	51.7	51.4	51.1	50.8	50.5	50.3	50.1	50.1	50.0
2	51.7	51.3	51.1	50.9	50.6	50.4	50.2	50.1	50.0	49.5
3	51.1	51.0	50.8	50.6	50.4	50.2	50.1	49.7	49.3	48.9
4	51.1	50.9	50.7	50.6	50.4	50.2	50.1	49.7	49.3	48.9
5	51.1	51.0	50.8	50.6	50.5	50.3	50.1	50.0	50.0	49.2
6	52.3	52.0	51.8	51.5	51.3	50.9	50.4	50.2	50.1	50.0
7	52.6	52.2	51.8	51.5	51.1	50.7	50.3	50.0	49.7	49.0
8	55.0	54.5	54.0	53.5	53.1	52.7	52.0	51.5	51.3	50.6
9	54.6	54.1	53.6	53.2	52.8	52.3	51.7	51.4	51.2	50.4
10	54.4	53.6	53.1	52.6	52.1	51.6	51.0	50.5	50.2	50.0
11	54.5	53.5	52.9	52.4	51.9	51.4	50.6	50.2	50.0	49.2
12	54.0	53.4	52.8	52.3	51.9	51.4	50.6	50.2	50.0	49.1
13	55.1	54.4	53.7	53.1	52.6	51.9	51.2	50.6	50.3	50.0
14	56.3	55.5	54.8	54.2	53.6	52.9	52.2	51.6	51.4	50.8
15	55.2	54.6	54.1	53.7	53.3	53.0	52.7	52.4	51.9	51.5
16	55.7	55.1	54.8	54.5	54.2	53.9	53.4	52.9	52.7	52.5
17	56.3	55.9	55.6	55.3	54.9	54.5	54.1	53.8	53.8	52.9
18	56.4	55.9	55.5	55.1	54.7	54.3	54.0	53.8	53.5	52.8
19	55.3	54.9	54.6	54.4	54.1	53.8	53.2	52.9	52.7	52.6
20	55.5	55.0	54.7	54.5	54.2	54.0	53.7	53.1	52.9	52.6
21	55.2	54.7	54.4	54.1	53.7	52.7	51.7	51.1	50.7	50.2
22	53.2	52.5	52.2	51.8	51.5	51.1	50.5	50.2	50.1	50.0
23	54.5	53.7	53.2	52.7	52.3	51.9	51.5	51.3	50.8	50.3
24	52.3	52.0	51.7	51.4	51.1	50.7	50.4	50.2	50.1	50.0

FIGURE B-88(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1208



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	03.7	90.0	0.	56.6
MIN	47.5	47.5	8.	59.7
NPL	65.7	59.3	10.	61.0
SIG	3.1	2.2	12.	62.5
LEQ	57.8	53.7		
TNI	47.6	34.2		
L1	66.8	61.4		
L3	62.5	57.0		
L5	60.5	55.5		
L10	58.1	53.7		
L20	56.2	52.5		
L30	55.4	52.1		
L40	54.8	51.7		
L50	54.3	51.3		
L60	53.8	51.0		
L70	53.2	50.7		
L80	52.5	50.5		
L90	51.6	50.2		
L95	51.0	50.1		
L97	50.5	50.0		
L99	50.1	49.2		

FIGURE B-88(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1208



L_{DN}:	61.5	dB
ρ:	9,800	people / sq.mi.

SITE: 1209

Address: 7380 Kingsbury
University City, MO

Microphone Height: 1.5 m.

Distance to Curb: 7.6 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

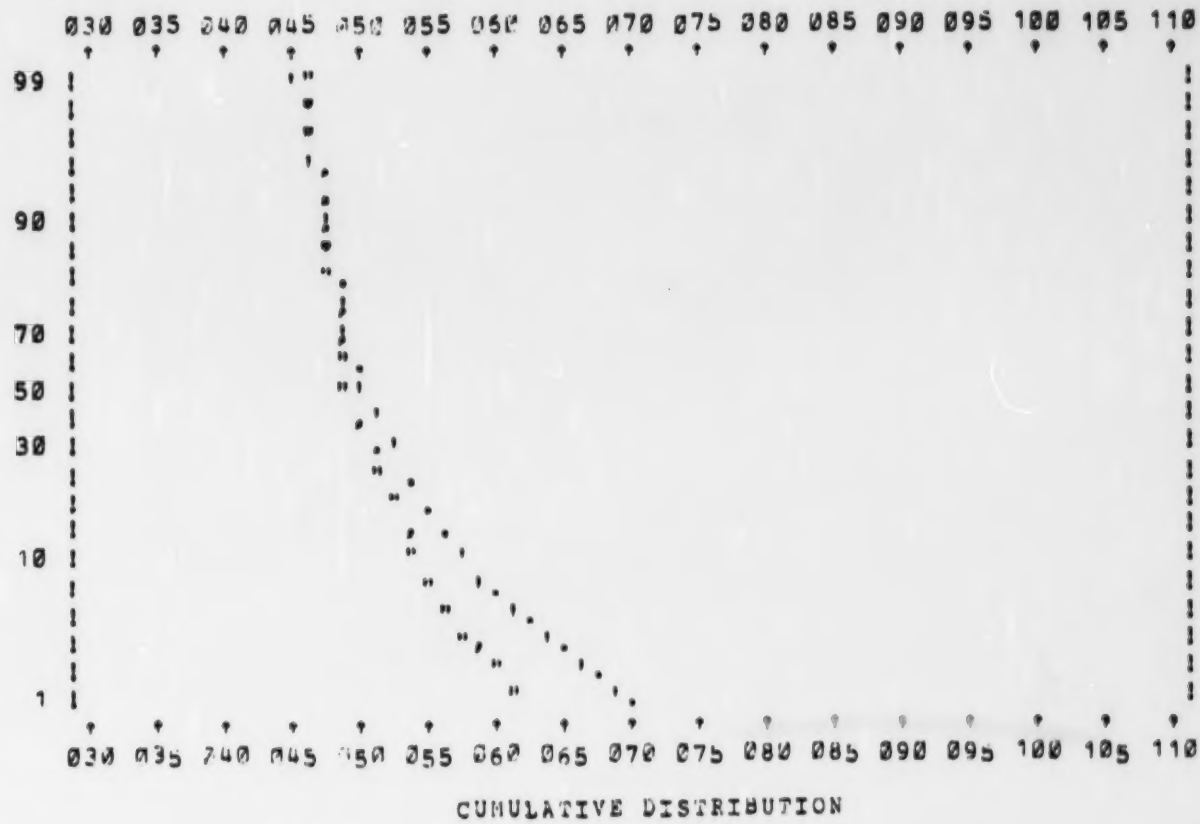
FIGURE B-89(a). DESCRIPTION OF ST. LOUIS SITE 1209

SITE # 1209

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	67.5	46.3	58.3	2.3	52.4	41.8	59.2	56.1	55.5	54.5	53.4
2	68.8	46.3	59.0	2.6	52.4	43.7	57.9	56.8	55.7	54.9	54.0
3	70.0	46.3	55.9	2.1	50.6	39.6	55.7	54.6	54.1	53.3	52.0
4	62.5	45.0	52.4	1.4	48.7	29.9	52.9	51.2	50.9	50.0	49.0
5	66.3	45.0	50.9	1.1	47.9	25.1	51.9	49.8	49.2	48.7	48.4
6	73.8	45.0	57.0	2.6	50.4	40.2	58.4	55.9	54.6	52.6	50.1
7	67.5	45.0	54.7	1.9	50.0	30.2	58.3	53.4	52.0	50.0	49.0
8	78.8	47.5	60.7	2.9	53.3	42.0	62.0	58.9	57.3	54.9	52.7
9	82.5	43.8	68.6	4.5	57.0	57.5	67.4	61.9	60.0	57.3	54.6
10	73.8	45.0	64.8	4.0	54.6	57.1	64.2	61.1	59.7	57.7	55.5
11	81.3	43.8	63.7	3.8	54.1	51.2	63.2	59.5	57.6	55.4	53.2
12	72.5	45.0	63.1	3.7	53.8	51.7	64.0	59.9	58.1	56.1	54.1
13	75.0	45.0	61.2	3.3	52.9	46.7	62.7	58.8	57.2	54.9	52.6
14	76.3	45.0	62.6	3.4	53.8	43.9	65.3	60.9	58.1	54.4	52.3
15	88.8	45.0	72.7	5.0	60.0	62.4	72.5	66.1	63.3	59.7	55.9
16	75.0	45.0	62.4	3.2	54.2	47.3	63.9	59.8	58.2	56.0	53.9
17	75.0	42.5	61.3	3.6	52.2	49.6	62.3	58.8	57.2	54.6	51.9
18	85.0	43.8	80.0	6.4	63.5	76.7	78.0	69.6	66.9	62.3	57.3
19	80.0	43.8	76.1	6.3	59.9	80.0	72.2	69.0	67.5	62.5	58.9
20	95.0	43.8	91.4	8.4	70.0	81.5	84.0	78.1	74.1	62.6	58.4
21	81.3	45.0	71.0	5.1	57.9	72.8	66.1	64.6	63.6	61.6	59.4
22	73.8	46.3	59.7	2.6	53.1	39.6	62.2	56.8	55.2	54.0	53.1
23	83.8	46.3	68.6	4.5	57.0	66.8	65.0	63.6	62.6	61.1	58.6
24	81.3	47.5	62.6	3.0	54.9	41.1	66.3	58.2	55.9	54.6	53.6

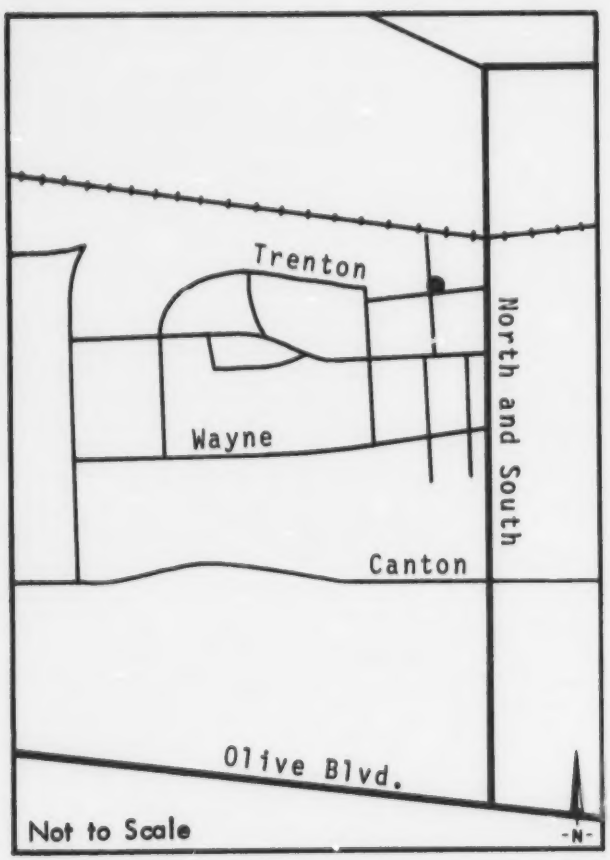
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	52.7	51.9	51.1	50.5	49.9	49.5	49.0	48.8	48.7	47.9
2	53.1	52.1	51.0	49.9	49.5	49.1	48.7	48.1	47.8	47.6
3	50.6	49.8	49.4	49.0	48.6	48.2	47.9	47.7	47.6	47.5
4	48.6	48.3	48.1	47.9	47.6	47.3	46.8	46.5	46.4	46.3
5	48.1	47.8	47.5	47.3	47.0	46.7	46.5	46.4	46.3	46.3
6	49.0	48.5	48.2	48.0	47.7	47.3	46.8	46.5	46.4	46.3
7	49.5	49.1	48.8	48.5	48.2	47.9	47.7	47.5	47.2	46.6
8	51.5	50.9	50.4	49.9	49.6	49.3	48.9	48.7	48.2	47.7
9	52.8	51.4	50.1	49.2	48.5	47.9	47.2	46.7	46.5	46.1
10	53.7	52.1	50.9	50.1	49.4	48.7	47.9	47.4	46.9	46.4
11	51.7	50.5	49.6	48.8	48.2	47.6	46.9	46.5	46.3	45.6
12	52.6	51.5	50.6	49.8	49.0	48.3	47.6	46.9	46.6	46.3
13	51.3	50.5	49.8	49.3	48.8	48.2	47.7	47.3	46.9	46.4
14	51.3	50.7	50.1	49.5	49.0	48.5	47.8	47.5	47.0	46.5
15	53.7	52.5	51.7	51.0	50.3	49.6	48.8	48.1	47.8	47.4
16	52.8	52.1	51.4	50.8	50.3	49.6	48.9	48.3	47.9	47.6
17	50.5	49.6	48.8	48.3	47.7	47.0	46.3	45.6	45.3	45.0
18	55.3	53.7	52.1	50.6	49.5	48.5	47.6	46.8	46.5	46.2
19	53.3	51.4	50.0	49.0	48.3	47.6	46.7	46.3	45.8	45.3
20	53.4	52.0	50.8	49.6	48.4	47.4	46.4	45.6	45.3	45.0
21	57.7	56.3	55.1	53.6	51.4	49.8	47.9	47.2	46.8	46.4
22	52.5	51.9	51.3	50.7	50.1	49.5	48.9	48.2	47.9	47.6
23	56.3	53.9	52.6	51.6	50.8	50.0	49.2	48.8	48.4	47.8
24	52.8	52.1	51.3	50.7	50.1	49.6	49.1	48.9	48.8	48.2

FIGURE B-89(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1209



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	95.0	83.8	0.	59.0
MIN	42.5	45.0	8.	60.6
NPL	73.1	63.8	10.	61.5
SIG	4.9	3.2	12.	62.6
LEQ	60.7	52.5		
TNI	58.1	45.4		
L1	72.6	62.3		
L3	64.1	58.6		
L5	61.1	56.2		
L10	57.7	54.4		
L20	54.7	52.6		
L30	52.9	51.2		
L40	51.7	50.3		
L50	50.7	49.4		
L60	49.9	48.9		
L70	49.2	48.4		
L80	48.4	47.9		
L90	47.6	47.3		
L95	46.8	46.8		
L97	46.5	46.6		
L99	45.7	46.4		

FIGURE B-89(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1209



L_{DN}:	64.2	dB
ρ:	5,400	people / sq.mi.

SITE: 1210

Address: 7719 Trenton
University City, MO

Microphone Height: 3.7 m.

Distance to Curb: 15.2 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

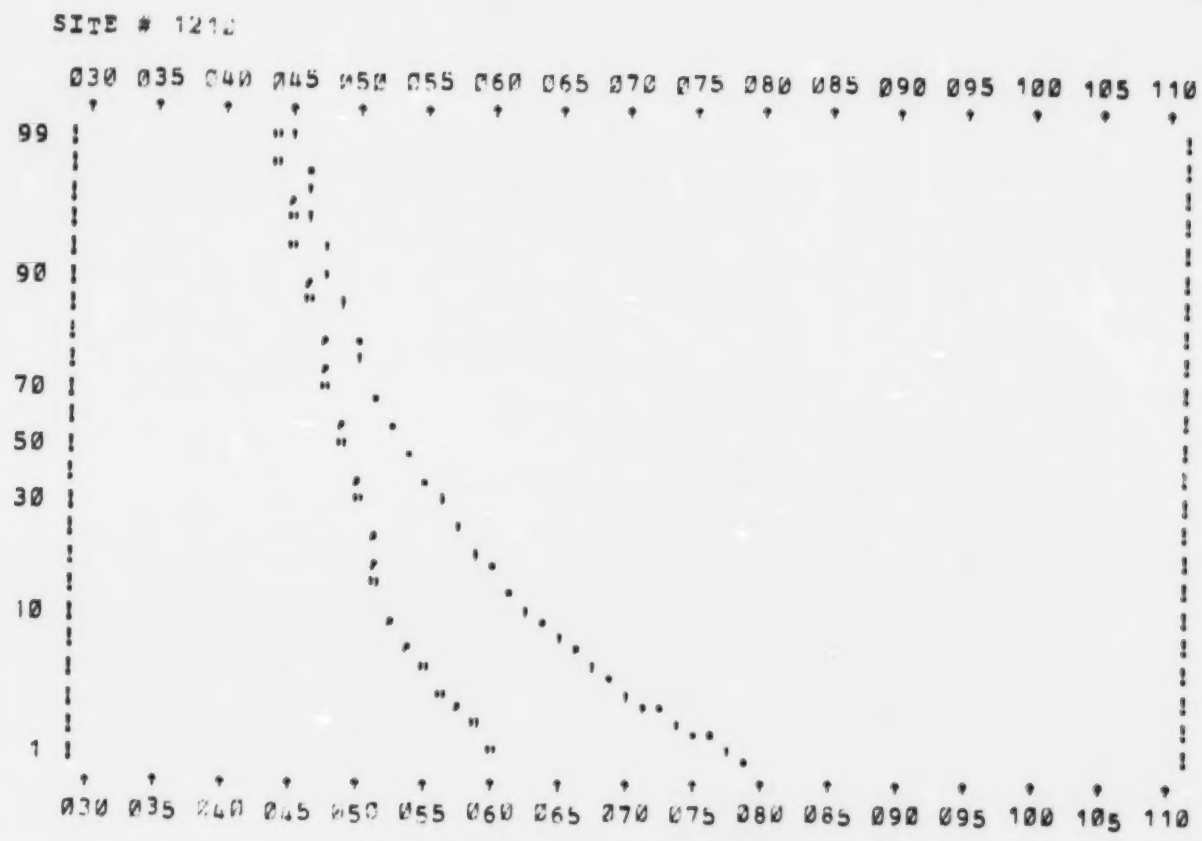
FIGURE B-90(a). DESCRIPTION OF ST. LOUIS SITE 1210

SITE # 1210

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	71.3	46.3	55.3	1.7	50.8	30.0	57.6	54.5	52.8	51.6	50.9
2	77.5	46.3	65.4	4.0	55.2	52.4	67.2	61.8	60.3	56.6	52.0
3	71.3	45.0	57.1	2.6	50.5	34.1	61.0	54.7	52.8	50.9	49.3
4	82.5	43.8	59.6	2.3	53.7	28.7	54.9	50.9	49.9	49.4	48.6
5	66.3	42.5	51.4	1.7	47.1	29.5	52.6	49.9	49.2	48.4	47.5
6	61.3	41.3	53.4	2.3	47.5	36.8	53.9	52.0	51.0	49.7	48.4
7	71.3	45.0	58.1	2.5	51.5	40.4	59.8	56.9	55.5	53.5	51.7
8	85.0	46.3	69.8	4.1	59.3	51.6	70.0	63.3	60.5	57.6	54.8
9	80.0	45.0	81.8	7.1	63.6	93.9	74.8	72.2	71.1	67.9	63.7
10	82.5	45.0	69.9	4.6	58.1	66.4	67.3	64.4	63.2	61.3	59.1
11	85.0	43.8	85.0	6.9	67.3	79.4	83.1	68.5	65.7	63.4	61.9
12	78.8	42.5	60.3	3.4	51.6	47.6	61.2	57.7	56.2	54.1	51.4
13	68.8	41.3	56.5	2.8	49.4	38.8	58.4	54.9	53.1	51.1	49.7
14											
15	82.5	48.8	68.8	3.6	59.5	57.2	69.0	65.6	63.6	61.6	59.7
16	73.8	48.8	62.9	2.7	56.1	48.3	63.2	60.8	59.8	58.5	57.1
17	90.0	48.8	96.4	9.3	74.7	125.1	84.8	83.1	82.0	79.8	75.6
18	75.0	46.3	73.1	4.7	61.0	72.8	68.7	67.6	66.9	65.0	62.5
19	82.5	45.0	69.4	4.4	58.1	53.2	69.9	65.0	61.3	57.3	54.1
20	80.0	45.0	63.8	3.7	54.4	52.1	64.8	60.9	58.8	56.6	54.2
21	76.3	46.3	66.8	4.1	57.4	62.9	66.8	64.6	63.2	61.0	57.7
22	92.5	46.8	72.8	3.6	63.7	44.7	67.9	61.1	59.2	56.6	53.9
23	83.8	47.5	60.5	2.6	53.7	42.9	61.5	59.0	57.7	55.7	53.5
24	78.8	47.5	59.7	2.4	53.5	36.2	61.3	57.4	55.7	53.5	52.0

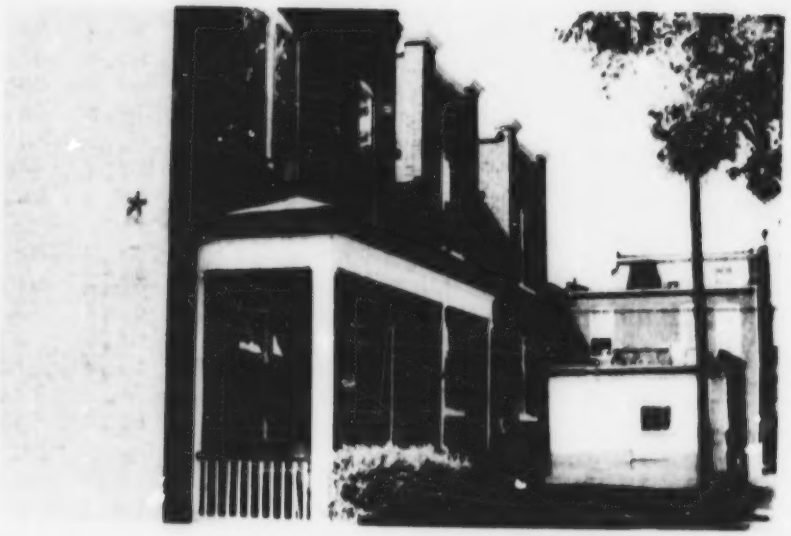
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	50.5	50.1	49.8	49.5	49.3	49.0	48.8	48.1	47.9	47.6
2	50.8	50.0	49.6	49.3	48.9	48.5	48.0	47.7	47.6	47.2
3	48.6	48.2	47.8	47.4	47.1	46.8	46.5	46.3	46.1	45.4
4	48.3	47.9	47.6	47.2	46.9	46.6	46.3	45.8	45.5	45.1
5	47.1	46.6	46.2	45.9	45.6	45.2	44.7	44.2	44.0	43.8
6	47.7	47.1	46.6	46.1	45.5	44.8	44.0	43.5	43.1	42.7
7	50.9	50.4	49.9	49.4	49.0	48.5	47.8	47.3	46.9	46.4
8	53.3	52.3	51.7	51.1	50.7	50.3	49.6	49.1	48.9	48.4
9	59.5	57.2	55.2	52.9	51.3	50.3	49.2	48.7	48.1	47.6
10	57.4	55.7	54.0	52.7	51.6	50.7	49.6	49.0	48.8	47.8
11	60.7	59.5	58.3	56.7	53.5	49.9	48.1	47.1	46.6	45.6
12	49.9	49.0	48.4	47.9	47.3	46.8	46.3	45.6	45.3	45.0
13	48.8	48.1	47.5	46.9	46.4	45.8	45.2	44.7	44.3	43.8
14										
15	58.4	57.4	56.6	55.8	55.0	54.1	53.1	52.5	51.9	51.3
16	56.2	55.5	54.8	54.2	53.5	52.8	51.8	51.3	50.9	50.2
17	71.8	66.7	65.9	62.1	58.9	57.1	54.7	53.1	52.4	51.0
18	61.1	59.9	58.1	56.6	55.2	53.8	52.4	51.5	51.0	49.6
19	52.9	51.9	51.0	50.4	49.8	49.2	48.6	48.0	47.7	47.4
20	52.7	51.7	50.8	50.1	49.5	48.9	48.1	47.6	47.3	46.6
21	55.9	54.7	53.7	52.7	51.9	51.1	50.4	50.0	49.4	48.9
22	53.1	52.4	52.1	51.8	51.5	51.1	50.5	50.2	50.1	49.7
23	52.4	51.9	51.3	51.0	50.7	50.3	50.0	49.4	49.1	48.9
24	51.2	51.0	50.7	50.5	50.2	49.9	49.3	49.0	48.9	48.8

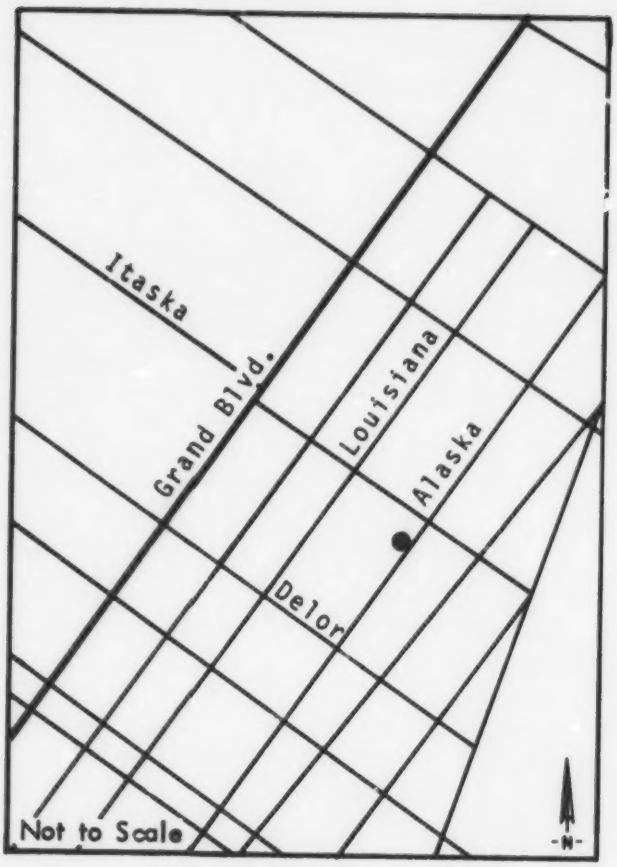
FIGURE B-90(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1210



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	92.5	83.8	0.	63.2
MIN	41.3	41.3	8.	63.8
NPL	81.9	60.4	10.	64.2
SIG	6.6	3.2	12.	64.8
LEQ	65.1	52.2		
TNI	77.2	41.9		
L1	79.3	61.0		
L3	71.2	56.9		
L5	67.5	54.9		
L10	62.9	52.5		
L20	59.1	51.		
L30	56.8	50.4		
L40	54.9	49.8		
L50	53.3	49.		
L60	52.1	48.5		
L70	51.0	47.7		
L80	49.8	46.9		
L90	48.2	46.0		
L95	46.9	45.2		
L97	46.3	44.6		
L99	45.3	43.9		

FIGURE B-90(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1210





L_{DN}:	63.4	dB
ρ:	14,600	people / sq.mi.

SITE: 1211

Address: 4719 Alaska
St. Louis, MO

Microphone Height: 3.7 m.

Distance to Curb: 6.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

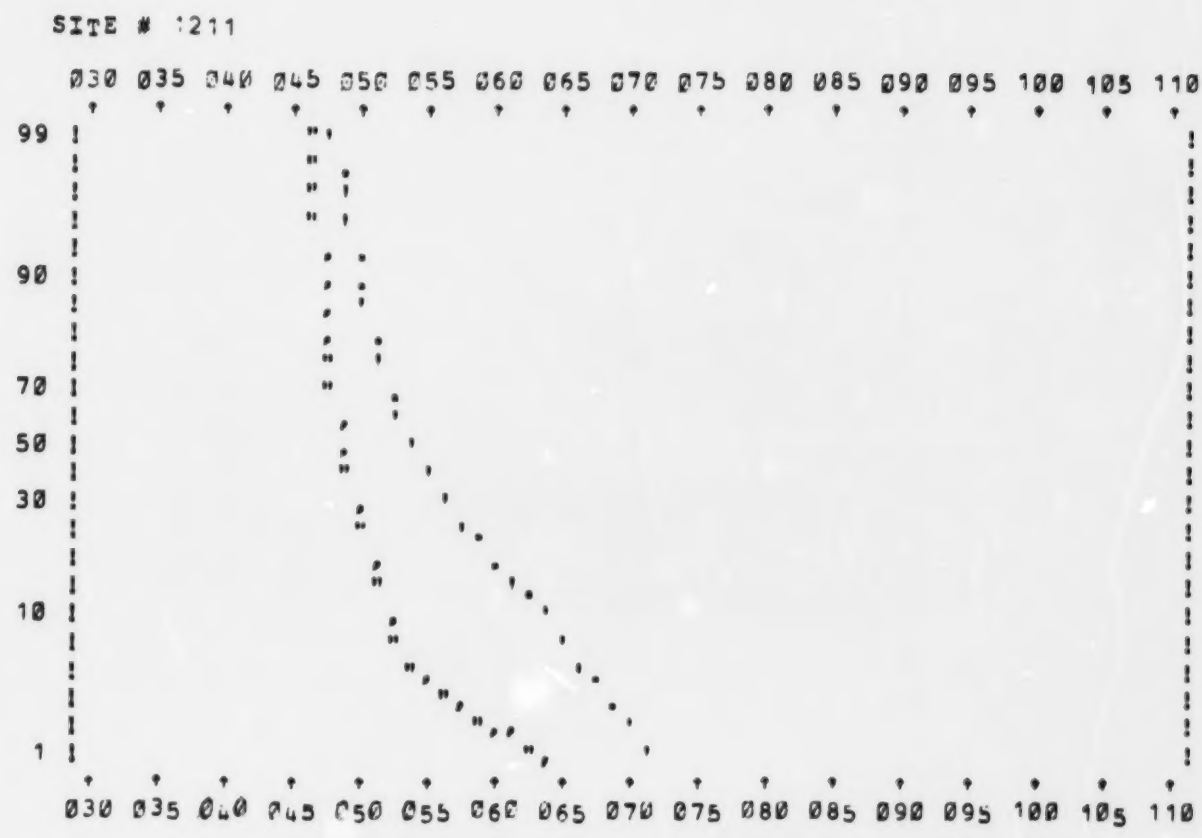
FIGURE B-91(a). DESCRIPTION OF ST. LOUIS SITE 1211

SITE # 1211

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	94.8	45.0	60.2	2.9	58.9	29.2	61.6	56.2	53.4	50.1	48.7
2	73.8	45.0	59.0	2.8	51.7	30.9	63.8	55.6	53.1	50.2	48.7
3	62.5	45.0	50.8	1.1	48.0	25.3	52.1	49.9	49.5	48.7	48.5
4	68.8	45.0	50.2	1.0	47.7	25.1	50.7	49.5	48.9	48.6	48.3
5	72.5	45.0	52.4	1.5	48.7	29.4	53.7	51.6	50.8	49.8	49.0
6	82.5	45.0	71.5	5.0	58.8	40.7	73.1	69.4	61.8	53.5	50.8
7	77.5	46.3	60.0	2.7	53.2	37.1	63.5	58.0	55.7	53.5	52.0
8											
9	83.8	47.5	67.1	4.0	56.7	57.7	67.2	63.7	61.9	59.1	56.0
10	83.8	46.3	71.9	4.7	59.8	65.2	71.5	66.2	64.3	61.3	58.3
11	81.3	47.5	69.3	4.6	57.4	62.8	68.9	65.0	63.1	60.1	56.3
12	86.3	46.3	69.5	4.4	58.2	58.6	69.3	65.2	62.8	59.2	55.8
13	82.5	48.8	76.2	5.7	61.7	78.2	70.6	67.9	67.0	65.9	64.5
14	92.5	48.8	90.7	8.0	70.3	94.5	84.1	78.7	77.6	69.9	66.9
15	82.5	48.8	69.4	4.1	58.9	59.6	69.8	65.8	63.8	61.0	58.0
16											
17	83.8	48.8	70.1	4.1	59.7	62.0	69.5	66.4	64.7	62.3	59.5
18	85.0	48.8	71.6	4.4	60.2	63.3	70.8	67.1	65.0	61.9	58.6
19	83.8	48.8	70.1	4.3	59.2	61.3	70.3	66.4	64.7	61.2	57.8
20	86.3	48.8	80.1	6.4	63.8	89.8	74.4	71.6	70.6	68.6	63.8
21	81.3	46.3	72.6	5.2	59.2	74.5	68.7	66.5	65.4	63.4	60.4
22	91.3	46.3	66.8	3.9	58.7	47.5	67.9	61.9	58.7	55.5	52.5
23	85.0	46.3	66.1	3.9	56.1	45.8	67.6	62.4	59.2	54.9	52.1
24	72.5	46.3	58.4	2.2	52.8	31.6	61.2	57.1	54.7	52.9	52.3

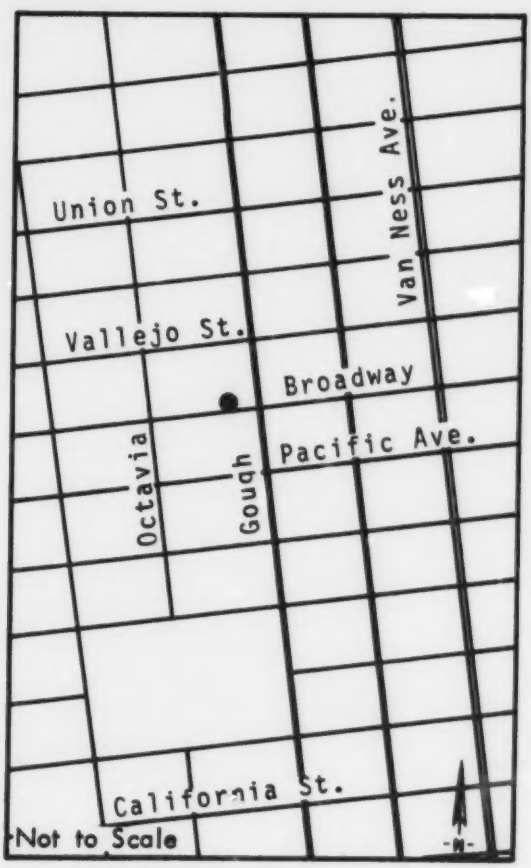
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	48.6	48.4	48.2	48.0	47.8	47.6	47.1	46.7	46.5	46.3
2	48.5	48.2	48.0	47.7	47.4	47.0	46.6	46.4	46.3	46.3
3	48.2	47.9	47.7	47.4	47.1	46.8	46.5	46.4	46.3	46.3
4	47.9	47.6	47.3	47.1	46.9	46.7	46.4	46.3	46.3	45.9
5	48.6	48.3	48.0	47.8	47.5	47.1	46.7	46.4	46.4	46.3
6	50.0	49.6	49.2	48.9	48.5	48.1	47.7	47.5	47.1	46.5
7	51.2	50.8	50.5	50.1	49.8	49.4	49.0	48.8	48.8	47.9
8										
9	54.3	53.1	52.1	51.4	50.8	50.3	49.6	49.2	49.0	48.8
10	56.5	55.4	54.5	53.5	52.3	51.1	50.0	49.3	49.1	48.8
11	53.9	52.4	51.4	50.7	50.1	49.6	49.1	48.9	48.8	48.1
12	53.9	52.8	52.0	51.4	50.8	50.2	49.4	48.9	48.5	47.8
13	61.0	56.3	54.9	54.1	53.4	52.7	51.7	51.2	50.6	50.1
14	64.8	62.0	59.7	57.0	54.4	52.9	51.7	51.1	50.6	50.2
15	56.4	55.3	54.3	53.5	52.8	52.1	51.5	51.1	50.6	50.2
16										
17	57.7	56.6	55.6	54.8	54.1	53.3	52.3	51.7	51.4	50.7
18	57.0	55.8	54.9	54.0	53.2	52.4	51.5	50.8	50.4	50.1
19	56.2	55.3	54.5	53.7	52.9	52.1	51.2	50.6	50.3	50.0
20	61.0	58.7	56.3	54.6	53.5	52.5	51.5	50.8	50.4	50.0
21	57.7	55.6	54.1	52.6	51.6	50.7	49.7	49.2	48.9	48.3
22	51.1	50.4	49.8	49.5	49.1	48.7	48.1	47.8	47.7	47.6
23	50.8	50.0	49.6	49.3	48.9	48.5	47.9	47.7	47.6	46.9
24	52.1	51.8	51.6	51.4	51.0	50.5	50.1	48.3	47.9	47.3

FIGURE B-91(b). HOURLY NOISE DATA FOR ST. LOUIS SITE 1211



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	92.5	93.8	0.	60.8
MIN	46.3	45.0	8.	62.5
NPL	76.6	63.0	10.	63.4
SIG	5.6	3.2	12.	64.6
LEQ	62.4	54.8		
TNI	75.9	38.3		
L1	72.5	64.4		
L3	68.6	56.9		
L5	66.6	54.7		
L10	63.9	52.2		
L20	59.4	50.9		
L30	56.8	49.9		
L40	55.2	49.		
L50	54.0	48.6		
L60	53.0	48.2		
L70	52.0	47.8		
L80	51.0	47.5		
L90	49.9	46.8		
L95	49.2	46.5		
L97	48.9	46.4		
L99	48.1	46.3		

FIGURE B-91(c). DAY/NIGHT NOISE DATA FOR ST. LOUIS SITE 1211



L_{DN}:	68.3	dB
ρ:	38,800	people / sq.mi.

SITE: 1001

Address: 1818 Broadway
San Francisco, Ca.

Microphone Height: 20 m.

Distance to Curb: 7 m.

ROADWAY TYPE

At Site: Arterial

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

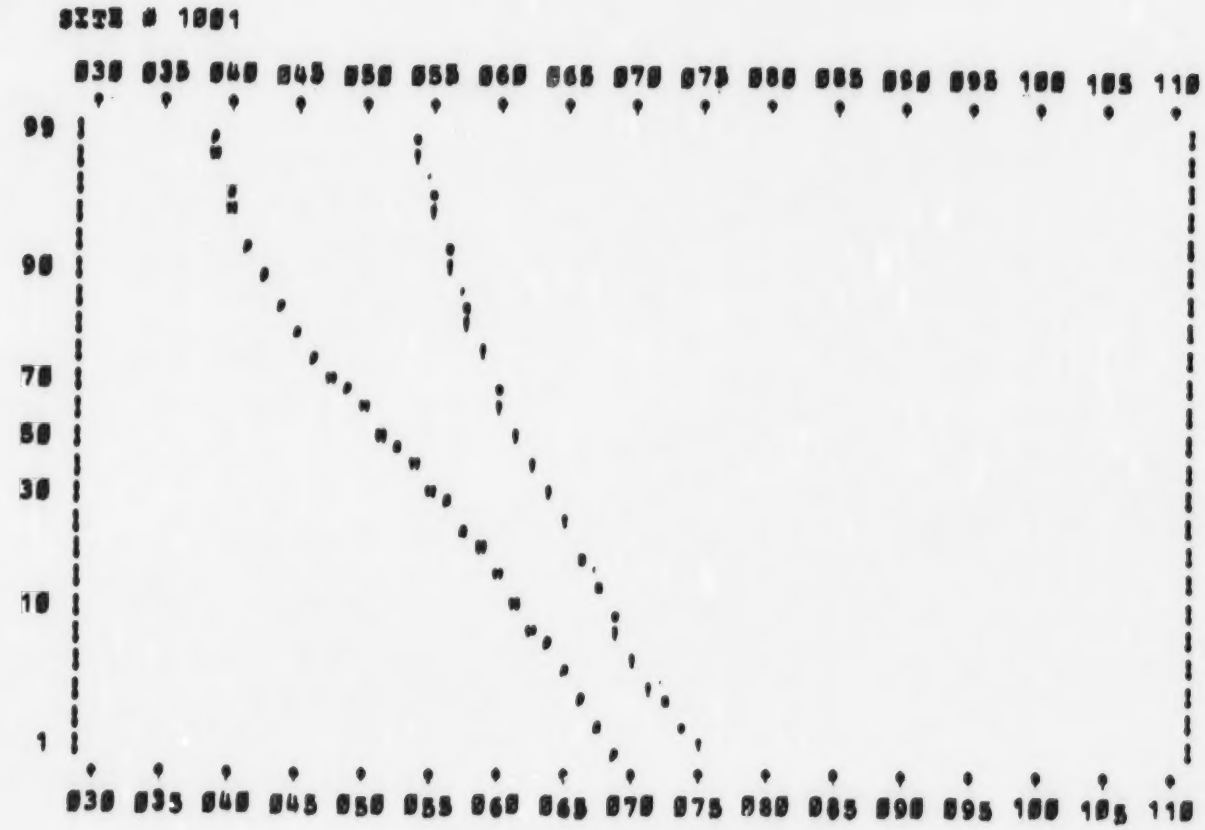
FIGURE B-92(a). DESCRIPTION OF SAN FRANCISCO SITE 1001

SITE # 1001

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	96.3	43.8	73.4	5.1	68.2	73.5	69.3	66.7	65.3	63.2	60.4
2	80.0	40.0	73.6	6.0	58.3	75.7	69.9	66.1	64.1	60.7	57.1
3	85.0	37.5	75.2	6.7	58.0	81.6	68.4	65.1	63.0	59.9	55.5
4	72.5	36.3	65.0	5.4	51.1	63.0	62.9	59.5	57.3	53.7	49.7
5	68.8	35.0	61.0	4.9	48.4	56.4	60.2	56.5	54.1	50.0	47.2
6	73.8	36.3	68.2	5.9	53.2	72.0	63.6	60.7	59.0	56.5	53.5
7	75.0	41.3	71.5	5.2	58.2	72.6	68.1	65.6	63.9	61.7	59.1
8	93.0	47.5	79.9	4.9	67.3	71.0	77.3	71.7	69.7	67.3	64.0
9	91.3	52.5	79.6	4.6	67.0	72.1	76.7	73.5	71.6	69.2	66.0
10	86.3	50.0	78.4	4.0	66.1	72.7	77.3	72.0	70.6	68.0	65.3
11	87.5	48.0	79.9	5.1	66.9	75.2	76.9	73.6	70.9	68.5	65.0
12	88.0	51.3	78.4	4.7	66.3	74.5	76.3	73.0	71.4	69.1	66.3
13	81.3	51.3	75.3	4.3	64.3	70.2	74.0	70.9	69.5	67.4	65.3
14	80.0	51.3	74.6	4.1	64.2	68.5	73.0	70.6	69.3	67.3	65.2
15	86.3	52.5	74.9	4.0	64.0	67.4	73.0	70.4	69.2	67.6	65.5
16	86.3	52.5	77.5	4.4	66.3	71.7	76.5	72.6	71.2	69.1	67.0
17	83.0	52.5	76.3	4.2	65.6	70.9	73.7	71.4	70.4	68.0	66.9
18	107.5	53.0	89.9	5.3	76.3	75.5	83.3	74.7	72.3	70.2	68.3
19	82.5	51.3	75.9	4.3	64.0	72.3	73.2	70.9	69.0	68.3	66.2
20	85.0	51.3	75.9	4.5	64.4	72.3	73.6	71.0	69.7	67.6	65.3
21	83.0	50.0	75.8	4.7	63.0	72.6	73.3	70.2	68.9	67.0	64.6
22	101.2	48.0	81.1	5.4	67.3	76.2	75.9	71.3	69.6	67.0	64.1
23	85.0	48.0	74.5	4.7	62.5	72.4	71.5	69.2	68.0	65.9	63.2
24	85.0	47.5	72.5	4.5	60.9	69.3	70.2	67.4	66.1	64.3	61.9

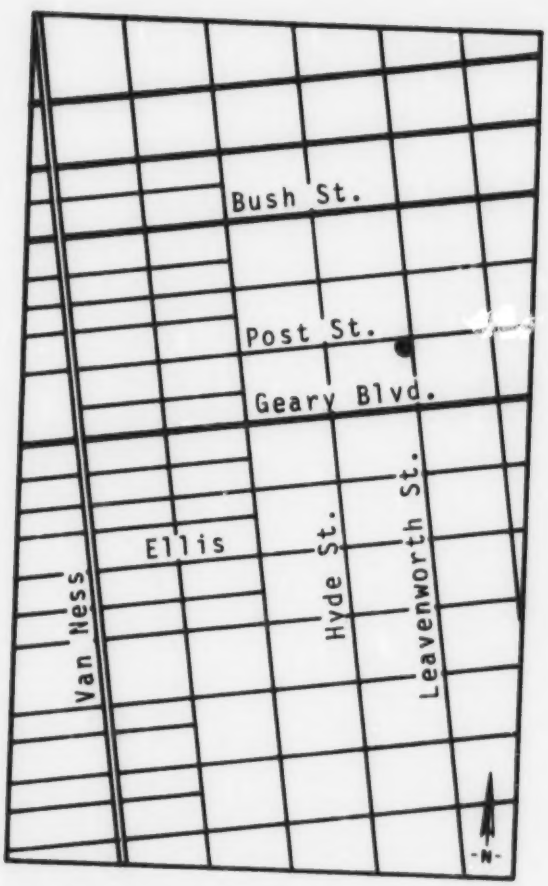
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	58.2	56.5	55.1	53.8	52.6	51.3	49.8	48.8	48.1	47.0
2	54.7	52.8	51.2	49.9	48.8	47.4	45.7	44.5	44.0	42.0
3	52.8	50.6	48.7	47.0	45.6	44.2	42.6	41.4	40.8	40.0
4	47.6	45.8	44.5	43.4	42.4	41.5	40.4	39.6	39.1	38.3
5	45.0	43.7	42.6	41.7	40.9	40.1	39.0	38.2	37.8	37.0
6	51.2	49.4	47.8	46.4	44.9	43.3	41.1	39.7	39.0	38.0
7	57.4	55.9	54.6	53.3	51.9	50.3	48.1	46.8	46.0	44.6
8	63.2	62.1	61.1	60.1	58.9	57.6	55.8	54.4	53.1	51.3
9	65.3	64.1	63.1	62.1	61.0	59.8	58.3	57.1	56.5	55.3
10	63.5	62.2	61.1	60.1	59.0	57.9	56.5	55.4	54.8	53.5
11	63.9	62.5	61.2	60.0	58.9	57.6	56.2	55.3	54.8	53.8
12	64.6	63.2	62.0	60.9	59.9	58.8	57.2	56.1	55.4	54.2
13	63.7	62.4	61.4	60.4	59.3	58.1	56.5	55.5	55.0	53.9
14	63.8	62.5	61.4	60.4	59.4	58.3	57.0	56.0	55.4	54.3
15	64.1	62.9	61.9	60.9	60.0	59.0	57.7	56.7	56.1	55.1
16	65.5	64.1	62.9	61.8	60.7	59.6	58.2	57.1	56.5	55.4
17	65.5	64.1	62.9	61.7	60.6	59.4	58.0	57.0	56.5	55.4
18	66.9	65.5	64.1	62.7	61.4	60.1	58.5	57.6	57.0	56.3
19	64.4	63.1	61.9	60.7	59.6	58.4	56.9	55.9	55.3	54.1
20	63.5	62.2	61.0	59.9	58.9	57.6	56.0	55.0	54.3	53.2
21	62.9	61.5	60.1	58.9	57.7	56.6	55.1	54.0	53.3	52.1
22	62.0	60.4	59.0	57.8	56.6	55.4	53.9	52.6	51.8	50.5
23	61.3	59.8	58.5	57.4	56.3	55.1	53.7	52.0	52.2	51.4
24	60.1	58.7	57.4	56.2	55.0	54.0	52.6	51.6	51.1	50.2

FIGURE B-92(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1001



	DAY '.'%	NIGHT ','%	WEIGHTING	WEIGHTED LEQ
MAX	107.5	96.3	0.	66.4
MIN	47.5	35.0	6.	67.6
MPL	80.3	77.5	10.	68.3
SIG	4.8	7.4	12.	69.2
LEQ	68.1	58.5		
TNI	73.5	91.4		
L1	75.8	69.5		
L3	71.0	66.0		
L5	70.4	64.4		
L10	68.4	61.8		
L20	66.5	58.6		
L30	64.3	56.2		
L40	62.0	54.2		
L50	61.7	52.3		
L60	60.6	50.0		
L70	59.5	47.5		
L80	58.2	44.5		
L90	56.6	42.0		
L95	55.4	40.5		
L97	54.7	39.7		
L99	53.1	38.4		

FIGURE B-92(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1001



L_{DN}:	75.2	dB
ρ:	72,000	people / sq.mi.

SITE: 1002

Address: 645 Leavenworth #304
San Francisco, Ca.

Microphone Height: 8.3 m.

Distance to Curb: 1.0 m.

ROADWAY TYPE

At Site: Arterial

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks, Buses

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

FIGURE B-93(a). DESCRIPTION OF SAN FRANCISCO SITE 1002

SITE # 1002

NB	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	90.0	47.5	82.0	5.9	66.9	81.7	78.6	73.2	71.0	68.4	65.0
2	87.5	43.0	79.4	6.0	64.1	81.7	74.7	70.2	68.5	66.1	63.3
3	88.0	42.5	78.7	6.6	61.7	86.0	72.4	69.0	67.0	65.3	62.6
4	78.0	41.3	73.4	6.2	57.5	79.3	68.4	65.7	64.0	62.0	57.0
5	97.5	42.5	83.7	7.3	64.9	90.0	75.0	71.2	68.7	64.0	60.4
6	86.3	43.0	80.6	6.9	62.9	89.6	74.1	69.7	67.0	65.3	61.7
7	87.5	46.3	83.6	6.4	67.3	87.6	78.5	74.7	72.4	69.4	66.4
8	91.3	51.3	86.9	5.9	71.7	89.2	83.5	79.0	77.0	74.0	70.0
9	97.5	53.0	88.6	5.6	74.3	88.9	86.3	81.4	79.5	76.6	73.4
10	93.0	55.0	86.3	5.3	72.0	83.7	84.4	79.4	77.3	74.6	71.9
11	93.0	56.3	91.0	5.0	76.0	93.0	84.0	81.5	80.6	79.6	78.4
12	91.3	56.3	87.4	5.3	73.0	88.3	82.9	80.0	78.9	77.4	75.5
13	91.3	57.5	87.5	5.2	74.1	87.2	83.0	80.1	79.0	77.7	76.2
14	100.0	56.3	88.1	5.2	74.9	86.2	84.0	80.0	79.5	77.7	75.7
15	92.5	57.5	83.0	4.6	72.2	77.7	83.2	78.0	77.3	74.5	71.9
16	93.0	57.5	84.7	4.6	72.0	80.4	83.5	79.5	77.0	75.6	73.1
17	101.2	57.5	88.4	5.2	75.2	85.9	86.0	82.4	80.4	77.4	74.5
18	88.0	57.5	84.5	4.6	72.7	78.7	83.7	79.6	78.0	75.2	72.0
19	96.3	56.3	85.1	4.7	73.0	77.0	84.3	80.0	77.5	74.6	71.9
20	96.3	53.0	82.2	4.7	70.2	75.7	80.0	77.1	75.2	72.1	69.4
21	91.3	52.5	82.5	4.9	70.0	77.0	81.1	77.2	75.0	72.2	69.5
22	110.0	51.3	96.6	6.2	80.0	81.4	38.5	79.1	75.9	72.3	69.4
23	91.3	51.3	82.9	5.3	69.2	70.6	81.0	76.0	73.4	70.4	67.6
24	90.0	50.0	83.9	5.0	69.1	84.2	80.6	76.0	73.9	70.0	67.9

NB	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	63.9	62.1	60.5	58.9	57.3	55.7	54.0	52.7	51.9	50.5
2	61.3	59.6	57.9	56.3	54.7	53.0	50.9	49.5	48.0	47.3
3	60.1	57.0	55.6	53.7	51.0	50.0	48.2	46.0	46.1	44.7
4	54.3	52.2	50.6	48.9	47.4	46.0	44.0	44.1	43.0	43.0
5	57.4	54.7	52.5	50.9	49.6	48.2	46.4	45.2	44.6	43.9
6	58.0	56.5	54.4	52.6	50.9	49.2	47.2	46.2	45.7	45.1
7	64.3	62.5	60.0	59.1	57.4	55.5	53.3	51.0	51.0	49.0
8	69.2	67.6	66.2	64.9	63.4	61.5	58.9	57.1	56.2	54.5
9	71.4	70.0	68.0	67.7	66.3	64.7	62.5	61.1	60.3	58.0
10	70.2	68.9	67.6	66.3	65.0	63.6	61.6	60.2	59.4	58.1
11	77.2	75.6	72.4	70.1	68.4	66.7	64.9	63.7	62.7	60.7
12	72.0	70.0	69.4	68.2	67.0	65.7	63.0	62.0	61.1	59.4
13	74.0	72.6	70.5	69.0	67.7	66.3	64.5	62.9	61.9	60.4
14	73.4	71.5	70.1	68.0	67.7	66.5	64.0	63.5	62.5	60.7
15	70.4	69.2	68.2	67.2	66.1	65.0	63.4	62.1	61.4	60.1
16	71.4	70.2	69.1	68.0	66.0	65.6	64.0	62.7	61.9	60.6
17	72.7	71.2	70.0	68.0	67.6	66.3	64.6	63.3	62.6	61.3
18	71.2	70.0	69.0	68.0	66.9	65.6	64.0	62.9	62.2	60.0
19	70.2	68.9	68.0	67.1	66.1	65.0	63.5	62.1	61.3	60.0
20	68.0	66.9	65.9	65.0	64.0	62.7	60.9	59.4	58.5	56.7
21	67.9	66.6	65.5	64.3	63.2	61.9	60.3	59.1	58.3	57.0
22	67.6	66.2	65.0	63.7	62.3	60.0	59.2	58.0	57.3	55.3
23	65.9	64.5	63.2	62.0	60.7	59.3	57.7	56.3	55.6	54.3
24	66.1	64.7	63.3	62.0	60.6	58.7	56.3	54.7	53.0	52.5

FIGURE B-93(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1002

	DAY '.'%	NIGHT ','%	WEIGHTING	WEIGHTED LEQ
MAX	110.0	97.5		
MIN	51.3	41.3	0.	72.9
AVG	89.0	85.2	8.	74.4
SIG	5.6	7.5	10.	75.2
LEQ	74.6	66.1	12.	76.3
TNI	98.4	95.5		
L1	84.1	77.3		
L3	80.2	72.6		
L5	78.0	70.5		
L10	76.7	67.8		
L20	73.4	64.8		
L30	71.1	62.6		
L40	69.5	60.5		
L50	68.3	58.5		
L60	67.0	56.3		
L70	65.8	54.1		
L80	64.3	51.5		
L90	62.2	48.5		
L95	60.5	46.5		
L97	59.4	45.5		
L99	57.6	44.3		

FIGURE B-93(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1002

L_{DN}:	73.5	dB
ρ:	41,900	people / sq.mi.

SITE: 1003

Address: 1327 Guerrero St.
San Francisco, Ca.

Microphone Height: 6.3 m.

Distance to Curb: 5.0 m.

ROADWAY TYPE

At Site: Arterial

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

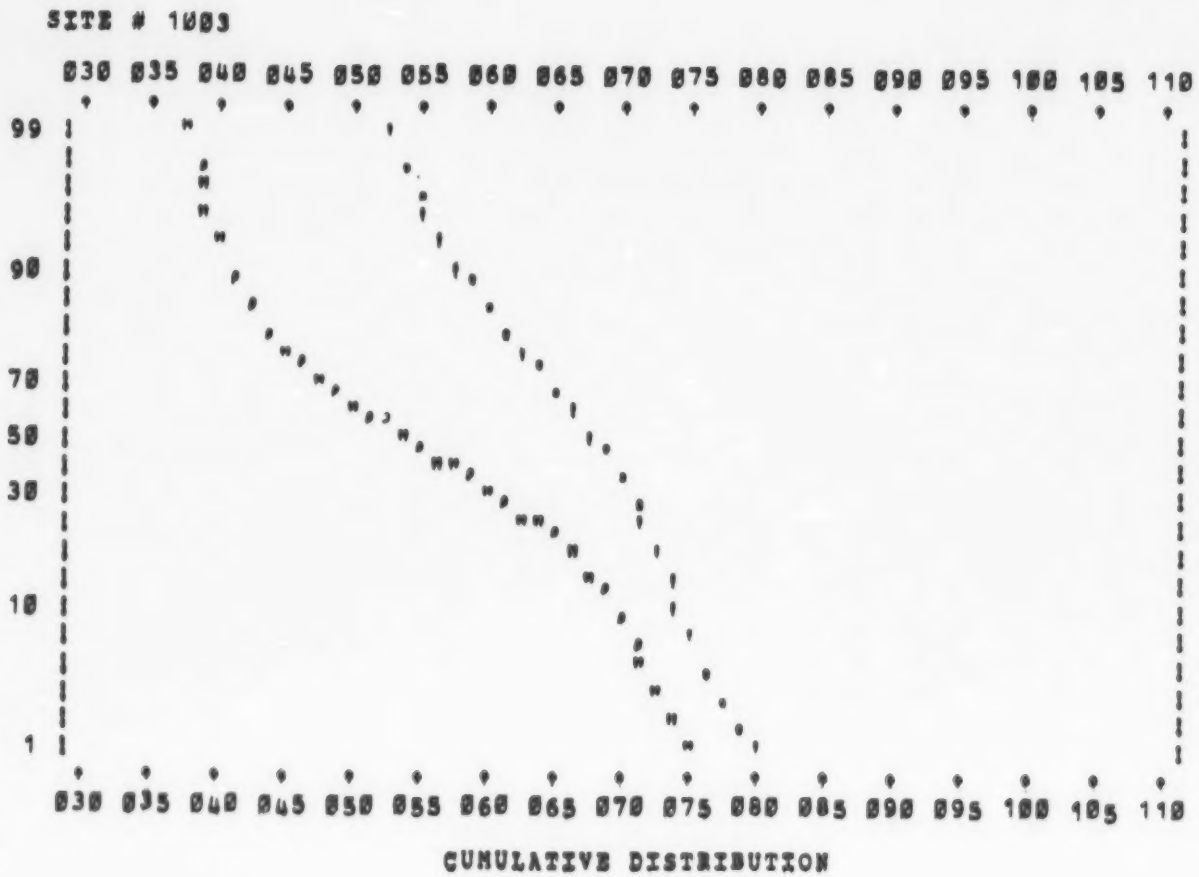
FIGURE B-94(a). DESCRIPTION OF SAN FRANCISCO SITE 1003

SITE # 1003

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	80.0	41.3	84.2	7.9	63.9	103.0	73.7	71.9	70.7	68.7	65.4
2	91.3	37.5	86.5	8.9	63.6	105.8	73.5	70.3	68.8	65.8	61.3
3	86.3	36.3	85.5	9.3	61.6	108.3	72.5	69.8	68.2	64.4	58.2
4	82.5	33.8	81.4	8.7	59.1	94.7	72.0	68.1	65.3	59.7	52.3
5	90.0	36.3	83.7	8.6	61.7	96.0	72.2	69.0	66.4	61.1	53.8
6	81.3	38.8	83.8	8.7	61.6	105.5	73.2	70.6	69.0	65.8	60.0
7	96.3	45.0	91.1	8.1	70.3	106.4	80.8	76.4	75.2	73.4	71.1
8	91.3	48.8	89.8	6.3	73.6	93.8	83.2	79.4	77.8	76.2	74.7
9	90.0	50.0	88.0	6.1	72.4	92.3	81.8	78.7	77.3	75.6	73.8
10	95.0	47.5	90.5	7.4	71.5	102.8	81.2	77.7	76.2	74.6	72.4
11	92.5	48.8	88.9	7.0	71.0	99.7	80.9	77.2	75.9	74.2	72.2
12	91.3	47.5	88.1	6.8	70.6	98.0	79.7	76.2	75.3	73.9	71.9
13	91.3	47.5	89.0	7.0	71.1	99.0	80.7	77.2	76.0	74.3	72.2
14	97.5	50.0	87.5	6.2	71.6	93.1	81.1	77.4	76.1	74.5	72.4
15	95.0	51.3	88.0	6.4	71.6	94.9	80.8	77.2	76.0	74.6	72.9
16	93.8	53.8	86.6	5.6	72.2	88.6	81.0	78.0	76.6	75.0	73.3
17	91.3	55.0	83.4	4.5	71.9	79.3	79.2	76.9	76.0	74.7	73.3
18	87.5	55.0	83.4	4.4	72.1	78.0	80.4	77.6	76.4	74.9	73.4
19	91.3	51.3	84.9	5.6	70.6	87.6	78.5	76.4	75.5	74.1	72.3
20	85.0	48.8	86.0	6.5	69.4	94.3	77.6	75.5	74.6	73.1	71.4
21	100.0	50.0	84.5	5.7	69.9	87.7	78.4	75.8	74.6	73.1	71.2
22	96.3	47.5	85.4	6.2	69.6	91.2	77.5	74.7	73.6	72.2	70.4
23	92.5	46.3	84.8	6.5	68.2	92.6	76.6	74.3	73.2	71.7	69.8
24	82.5	46.3	84.7	7.0	66.8	97.0	75.6	73.6	72.5	70.9	68.9

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	62.3	59.5	57.0	54.5	52.0	49.7	47.2	45.0	45.1	43.0
2	57.2	53.5	50.4	48.0	46.0	44.3	42.5	41.3	40.6	39.6
3	52.9	48.6	46.2	44.4	42.9	41.5	39.8	38.9	38.3	37.7
4	47.3	44.6	42.8	41.4	40.1	39.1	38.0	37.4	36.8	36.3
5	49.0	46.2	44.3	43.0	41.8	40.7	39.4	38.6	38.1	37.6
6	55.7	52.0	49.2	47.3	45.8	44.3	42.6	41.4	40.9	40.2
7	69.6	67.0	63.8	60.7	57.9	55.2	52.4	50.6	49.6	48.3
8	73.7	72.7	71.5	69.8	67.2	63.9	60.3	57.8	56.5	54.3
9	72.4	71.0	69.5	67.8	65.7	63.2	60.0	57.7	56.2	54.1
10	70.6	68.6	66.5	64.1	61.4	58.5	55.2	53.0	51.8	50.4
11	70.4	68.7	66.8	64.6	62.2	59.2	56.7	53.7	52.6	51.4
12	70.0	68.3	66.3	64.1	61.7	59.0	56.9	53.9	52.9	51.5
13	70.6	69.0	67.1	64.6	62.0	59.2	56.1	54.0	52.9	51.5
14	70.7	69.1	67.3	65.4	63.4	60.9	58.3	56.6	55.6	54.1
15	71.4	69.9	68.1	66.1	63.8	61.1	57.8	55.9	54.9	53.5
16	72.0	70.8	69.5	67.8	65.8	63.4	60.4	58.6	57.6	56.2
17	72.3	71.3	70.4	69.4	68.0	66.2	63.2	60.9	59.8	58.1
18	72.3	71.4	70.5	69.5	68.4	66.7	63.9	61.5	60.2	58.3
19	71.0	69.7	68.3	66.6	64.6	62.3	59.6	57.6	56.3	54.4
20	70.1	68.7	67.1	65.0	62.2	59.1	56.1	54.2	52.8	51.3
21	69.6	68.2	66.7	65.0	63.0	60.8	58.2	56.3	55.3	53.9
22	69.0	67.6	65.9	64.1	61.9	59.2	55.8	54.1	53.2	51.8
23	68.4	66.6	64.6	62.2	59.9	57.7	54.7	52.8	51.8	50.3
24	67.0	64.9	62.7	60.2	57.8	55.2	52.3	50.3	49.4	48.2

FIGURE B-94(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1003



	DAY '.'.	NIGHT "."."	WEIGHTING	WEIGHTED LEQ
MAX	100.8	96.3	0.	70.1
MIN	47.5	33.8	8.	72.4
MPL	87.8	92.6	10.	73.5
SIG	6.4	10.6	12.	74.8
LEQ	71.5	65.3		
TNI	94.1	125.0		
L1	80.5	75.6		
L3	77.3	73.0		
L5	76.1	71.7		
L10	74.6	69.6		
L20	72.8	65.9		
L30	71.3	61.8		
L40	69.9	58.0		
L50	68.3	54.4		
L60	66.5	50.7		
L70	64.2	47.0		
L80	61.5	44.0		
L90	58.1	41.2		
L95	55.7	39.5		
L97	54.4	38.8		
L99	52.4	37.6		

FIGURE B-94(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1003

L_{DN}:	61.9	dB
ρ:	41,900	people / sq.mi.

SITE: 1005

Address: 264 Fair Oaks
San Francisco, Ca.

Microphone Height: 5.2 m.

Distance to Curb: 5.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

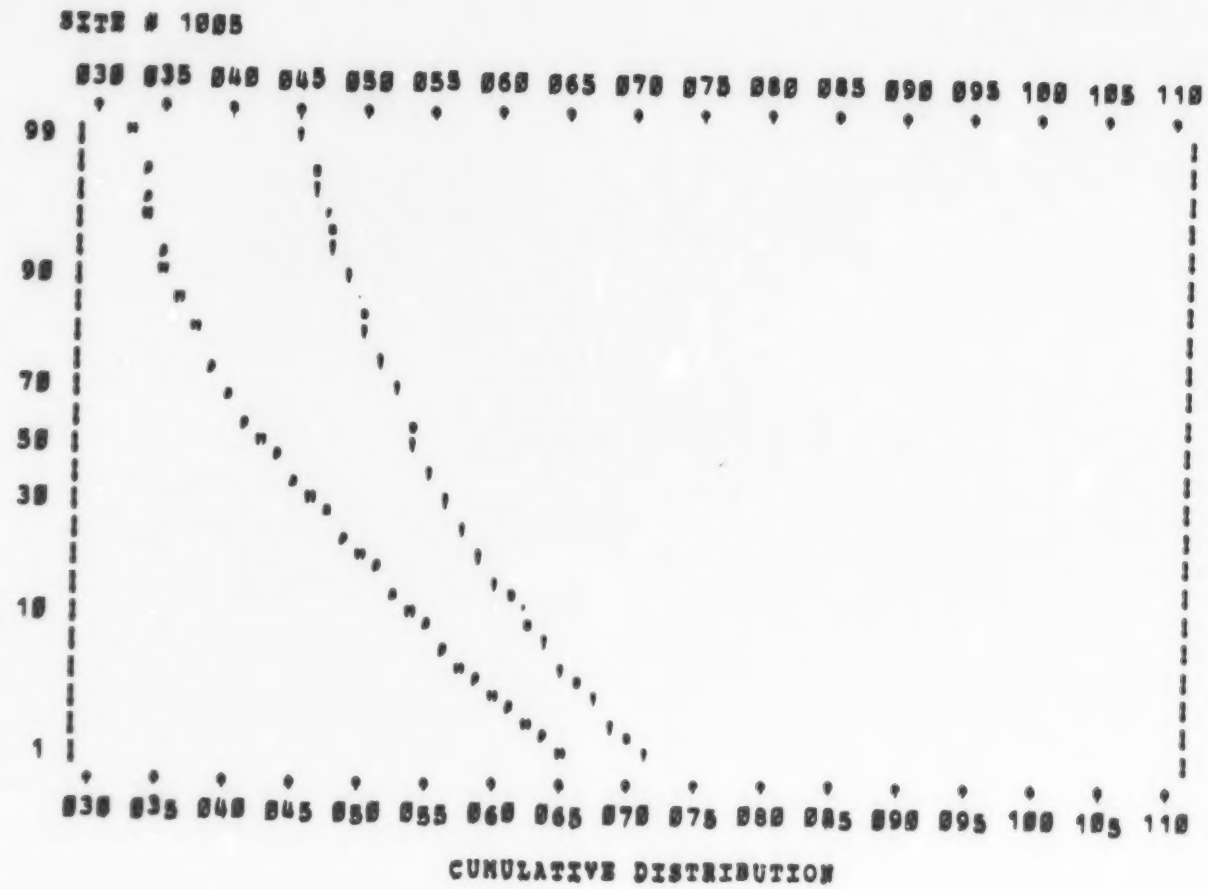
FIGURE B-95(a). DESCRIPTION OF SAN FRANCISCO SITE 1005

SITE # 1005

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	37.5	65.1	5.2	51.9	68.5	64.5	58.8	56.6	53.5	49.9
2	73.8	33.8	63.8	5.4	50.1	58.9	62.2	57.8	54.5	51.2	47.6
3	71.3	33.8	64.7	5.8	50.8	60.3	62.9	58.2	55.3	51.8	47.8
4	81.3	31.3	63.3	4.9	50.7	61.2	61.8	51.4	48.1	44.1	41.1
5	78.8	30.0	58.1	4.4	46.7	34.2	55.8	48.5	44.9	40.8	38.3
6	76.3	30.0	65.4	6.3	49.3	64.8	61.1	55.7	52.8	48.9	44.3
7	78.8	35.8	72.6	7.8	54.8	81.4	66.8	60.8	58.4	57.8	52.6
8	95.8	42.5	87.1	8.8	66.5	101.7	79.1	74.6	73.8	68.9	63.2
9	76.3	48.8	70.6	5.3	56.9	68.8	68.3	64.5	62.4	59.2	56.5
10	87.5	42.5	71.8	5.4	57.9	72.6	68.5	65.4	63.6	60.8	57.1
11	88.8	42.5	71.5	5.3	58.1	70.1	68.8	65.3	63.4	60.7	58.2
12	88.8	42.5	77.2	5.8	62.3	78.8	73.4	69.8	67.2	64.3	60.9
13	78.8	42.5	71.5	5.1	58.3	69.8	69.4	65.8	64.1	61.8	57.7
14	78.8	38.8	71.3	4.1	60.8	59.2	72.2	68.8	66.2	62.3	59.5
15	98.8	48.8	69.8	3.7	59.5	56.3	69.8	65.7	63.6	61.1	58.6
16	82.5	48.8	69.1	3.7	59.5	55.8	69.7	65.8	63.8	61.8	58.5
17	77.5	58.8	69.8	3.8	59.3	57.5	78.8	66.6	64.7	61.6	58.7
18	81.3	47.5	72.5	4.5	60.9	68.8	78.8	68.1	66.6	64.2	61.3
19	85.8	46.3	74.4	5.3	60.9	71.5	72.2	69.5	67.8	63.1	59.3
20	88.8	46.3	69.4	4.3	58.4	61.9	69.4	65.7	63.6	60.9	57.9
21	83.8	45.8	71.5	4.9	59.1	68.1	69.8	67.8	65.2	62.1	58.7
22	81.3	42.5	71.9	5.3	58.3	68.8	78.5	65.3	63.1	59.9	56.4
23	85.8	41.3	71.8	5.5	57.6	78.5	68.8	65.8	62.7	59.3	55.9
24	88.8	48.8	72.6	5.9	57.3	71.3	69.6	65.8	62.2	58.3	54.4

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	47.5	45.9	44.8	43.9	43.8	42.1	41.2	40.5	40.2	39.4
2	45.8	43.4	42.2	41.2	40.4	39.6	38.7	37.9	37.5	36.7
3	43.9	42.8	40.9	40.8	39.3	38.7	37.8	37.3	36.8	36.4
4	39.9	39.2	38.4	37.7	37.8	36.2	35.1	34.3	34.8	33.2
5	37.1	36.2	35.6	35.8	34.4	33.9	32.9	32.3	31.8	31.3
6	41.5	39.6	38.3	37.2	36.8	35.8	33.9	33.1	32.8	32.1
7	49.2	47.1	45.8	43.2	41.7	40.3	38.9	38.8	37.5	36.8
8	59.9	57.7	55.5	53.3	51.5	49.9	48.8	46.7	46.1	45.1
9	54.3	52.5	51.1	49.9	48.9	47.7	46.3	45.2	44.5	43.4
10	54.6	53.1	51.9	50.8	49.6	48.3	46.8	45.8	45.3	44.4
11	56.4	54.7	53.4	52.8	50.7	49.3	47.6	46.4	45.7	44.7
12	58.4	56.5	55.8	53.8	52.7	51.5	49.7	48.3	47.4	45.9
13	55.8	54.4	53.1	51.9	50.8	49.6	48.1	47.8	46.5	45.6
14	57.9	56.8	56.1	55.5	54.9	54.2	53.4	52.8	52.6	51.7
15	57.2	56.3	55.6	54.9	54.3	53.6	52.7	51.9	51.6	50.9
16	57.1	56.2	55.5	54.9	54.2	53.5	52.7	52.8	51.6	51.2
17	57.3	56.3	55.6	54.9	54.3	53.8	52.9	52.5	52.8	51.5
18	59.4	57.9	56.7	55.7	54.7	53.8	52.7	51.8	51.5	50.6
19	57.2	55.7	54.5	53.4	52.5	51.5	50.3	49.6	49.2	48.7
20	56.8	54.8	53.8	53.1	52.3	51.8	50.5	50.8	49.4	48.8
21	56.6	55.1	54.8	53.8	52.8	51.1	50.1	49.2	48.8	47.7
22	54.5	53.8	51.7	50.6	49.4	48.3	47.8	46.3	45.7	45.1
23	53.7	52.0	50.7	49.6	48.4	47.1	45.6	44.7	44.3	43.8
24	51.9	50.2	48.8	47.6	46.5	45.3	44.8	43.2	42.8	42.8

FIGURE B-95(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1005



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	95.0	88.0	0.	59.0
MIN	48.0	30.0	8.	68.9
MPL	74.4	72.4	10.	61.9
SIG	5.4	7.4	12.	63.1
LEQ	68.5	53.5		
TNI	72.0	88.8		
L1	72.0	65.7		
L3	67.7	60.3		
L5	65.5	58.0		
L10	62.2	54.3		
L20	58.8	50.1		
L30	56.9	47.4		
L40	55.6	45.1		
L50	54.5	42.9		
L60	53.4	41.0		
L70	52.3	39.4		
L80	50.9	37.8		
L90	48.9	35.6		
L95	47.4	34.3		
L97	46.6	33.7		
L99	45.3	32.6		

FIGURE B-95(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1005

L_{DN}:	69.5	dB
ρ:	58,800	people / sq.mi.

SITE: 1006

Address: 1123 Clay, Apt. 11
San Francisco, CA

Microphone Height: 3.7 m.

Distance to Curb: 0.0 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks, Buses

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

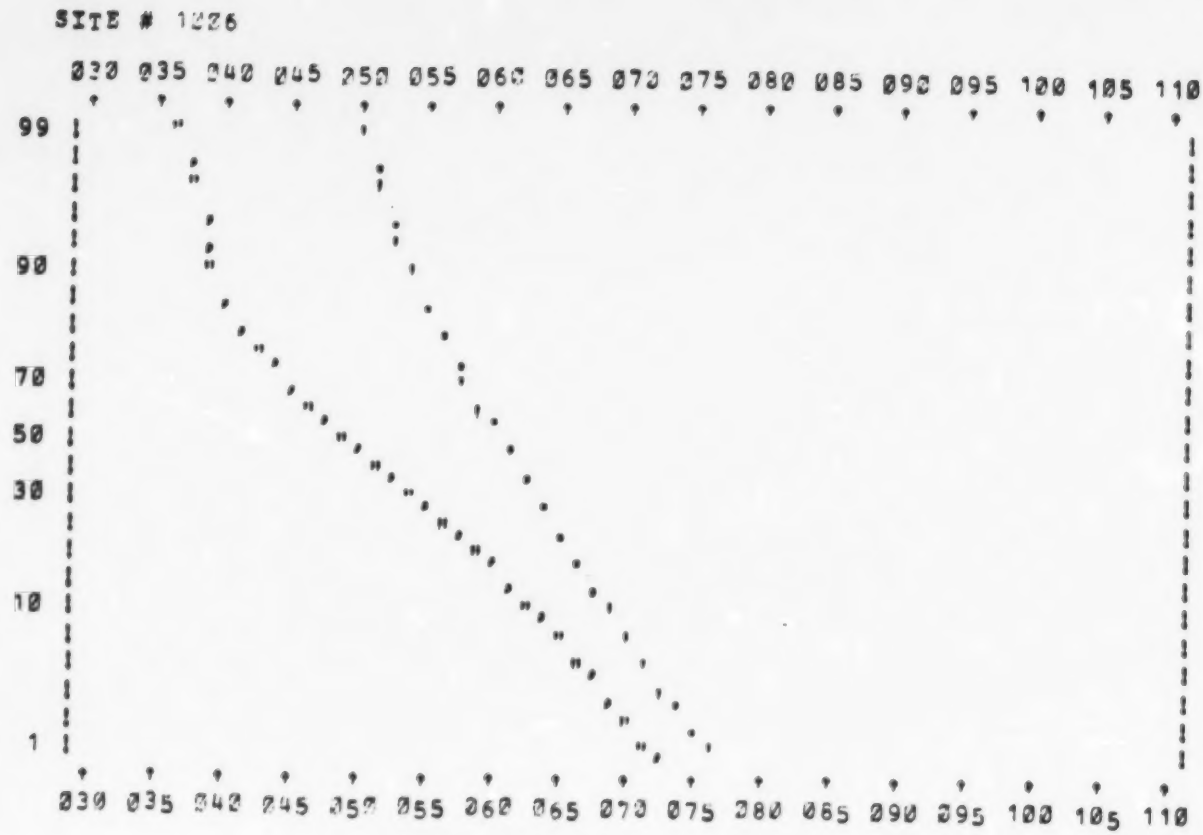
FIGURE B-96(a). DESCRIPTION OF SAN FRANCISCO SITE 1006

SITE # 1006

HR	MAX	MIN	AVL	SIG	L50	TNI	L1	L3	L5	L10	L20
1	90.0	42.5	79.2	6.7	62.1	83.4	72.9	69.0	66.9	63.4	59.5
2	97.3	38.8	82.6	7.0	64.6	83.1	71.9	67.6	65.4	62.1	58.0
3	87.5	36.3	79.2	7.7	59.5	86.2	69.3	65.7	63.5	59.1	54.5
4	81.3	35.0	78.1	6.4	53.8	57.1	67.3	61.8	57.3	50.0	45.0
5	80.0	35.0	66.3	5.8	51.6	53.5	64.4	58.0	54.5	49.0	45.8
6	76.3	35.0	74.7	6.6	53.8	72.2	67.2	62.0	59.2	54.5	49.4
7	87.5	42.5	81.1	7.5	61.8	92.3	73.3	69.4	67.3	63.9	59.1
8	100.0	45.0	86.0	7.0	68.1	92.7	79.3	72.7	71.1	68.6	65.8
9	91.3	47.5	85.6	6.8	68.2	94.1	80.1	75.1	73.4	70.9	67.7
10	92.5	46.3	83.3	6.5	66.7	88.8	77.8	73.8	71.6	68.6	65.6
11	90.0	47.5	81.7	6.2	66.4	84.2	77.3	72.7	70.8	68.3	65.6
12	88.8	51.3	84.1	6.1	68.6	85.6	80.8	76.8	74.5	70.9	67.6
13	91.3	47.5	79.9	5.6	65.7	79.6	75.6	72.2	70.4	67.8	65.0
14	86.3	48.8	80.5	5.4	66.7	78.5	78.2	73.9	71.8	69.2	66.4
15	86.3	50.0	79.1	5.1	65.9	76.7	76.1	72.2	70.5	68.2	65.8
16	92.5	52.0	82.8	6.0	67.5	87.2	77.5	74.1	73.0	70.4	67.2
17	87.5	51.3	80.1	5.1	67.1	78.0	77.3	74.1	72.3	69.6	67.0
18	92.5	48.8	80.3	5.3	66.8	77.4	77.5	72.7	71.2	68.7	66.7
19	95.0	48.8	80.0	5.6	65.7	81.6	76.0	72.4	70.7	68.3	65.6
20	86.3	50.0	79.6	5.4	65.9	79.6	76.2	72.5	70.9	68.5	65.9
21	98.8	47.5	81.7	5.8	66.8	81.6	78.7	73.8	71.4	68.2	65.1
22	88.8	47.5	78.1	5.4	64.3	76.8	74.4	70.4	68.6	66.4	63.7
23	88.8	47.5	82.2	6.3	66.0	86.6	77.0	73.0	71.1	68.2	65.2
24	100.2	45.0	80.7	6.2	64.8	84.1	74.8	70.9	69.1	66.6	63.6

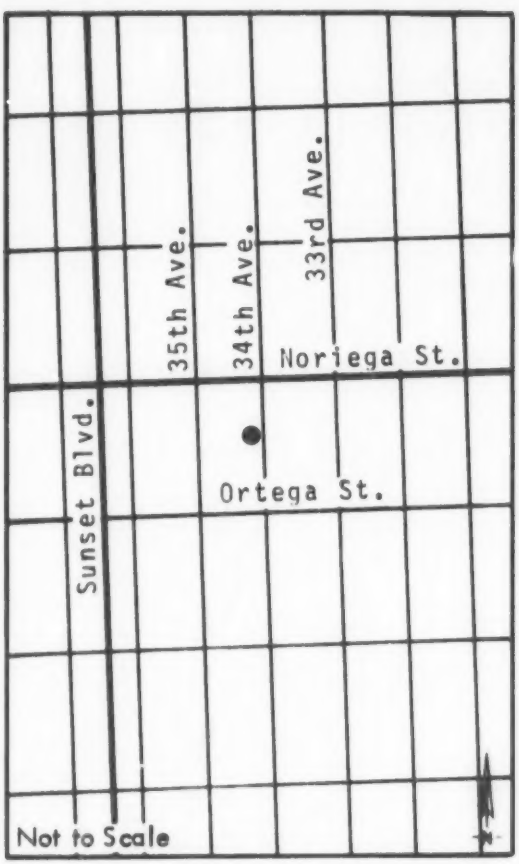
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	56.6	54.2	52.2	50.6	49.2	48.0	46.8	46.1	45.5	44.6
2	54.6	51.8	49.8	48.4	47.2	46.1	45.1	43.6	42.7	41.6
3	50.8	48.0	45.8	43.9	42.5	41.4	40.1	39.2	38.8	37.9
4	42.1	42.8	39.9	39.3	38.7	38.2	37.7	37.1	36.8	36.4
5	43.0	41.2	40.2	39.5	38.8	38.1	37.5	36.8	36.6	36.3
6	46.5	44.9	43.9	41.9	40.4	39.4	38.6	38.0	37.8	37.5
7	55.2	52.3	50.4	48.9	47.1	45.6	44.4	44.0	43.8	43.0
8	63.7	61.8	59.9	57.7	55.5	53.2	50.6	49.2	48.5	47.6
9	65.6	63.6	61.6	59.7	57.8	55.7	53.2	51.6	50.8	49.7
10	63.4	61.6	60.0	58.2	56.2	54.3	52.2	50.8	50.1	49.0
11	63.5	61.6	60.0	58.5	57.0	55.2	53.1	51.6	50.9	49.7
12	65.2	62.9	61.1	59.8	58.5	57.4	56.0	55.0	54.3	53.3
13	62.9	61.3	59.8	58.4	57.1	55.6	53.8	52.5	51.8	50.6
14	64.4	62.5	61.1	59.7	58.5	57.4	56.1	55.1	54.4	53.0
15	64.1	62.6	61.2	59.8	58.5	57.0	55.4	54.3	53.8	52.8
16	65.0	63.2	61.6	60.1	58.5	56.8	54.8	53.7	52.9	51.8
17	65.3	63.9	62.6	61.4	60.1	58.7	56.9	55.6	55.0	54.0
18	65.0	63.5	61.9	60.5	59.1	57.7	55.9	54.4	53.6	52.1
19	63.7	62.1	60.6	59.1	57.5	55.8	53.9	52.6	51.9	50.9
20	64.3	62.8	61.4	60.0	58.5	56.9	54.8	53.3	52.6	51.5
21	63.2	61.6	60.2	58.8	57.4	55.7	53.6	52.6	51.9	51.0
22	61.8	60.2	58.7	57.3	55.8	54.4	52.9	51.8	51.3	50.3
23	62.9	61.1	59.4	57.7	55.9	54.0	52.1	51.0	50.4	49.4
24	61.1	59.0	57.2	55.5	54.0	52.5	50.7	49.5	48.9	47.8

FIGURE B-96(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1006



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	100.0	100.0	0.	65.5
MIN	45.2	35.0	8.	68.3
NPL	81.8	85.3	10.	69.5
SIG	5.9	9.1	12.	71.0
LEQ	66.7	62.1		
TNI	83.2	105.9		
L1	77.5	72.6		
L3	73.3	68.6		
L5	71.5	66.6		
L10	68.8	63.3		
L20	66.0	58.7		
L30	64.1	55.1		
L40	62.4	52.0		
L50	60.8	49.3		
L60	59.3	46.8		
L70	57.8	44.4		
L80	56.1	41.2		
L90	54.0	39.1		
L95	52.4	38.1		
L97	51.5	37.7		
L99	50.0	36.8		

FIGURE B-96(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1006



L_{DN}:	60.5	dB
ρ:	16,600	people / sq.mi.

SITE: 1007

Address: 1843 34th Ave.
San Francisco, CA

Microphone Height: 3.7 m.

Distance to Curb: 6.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

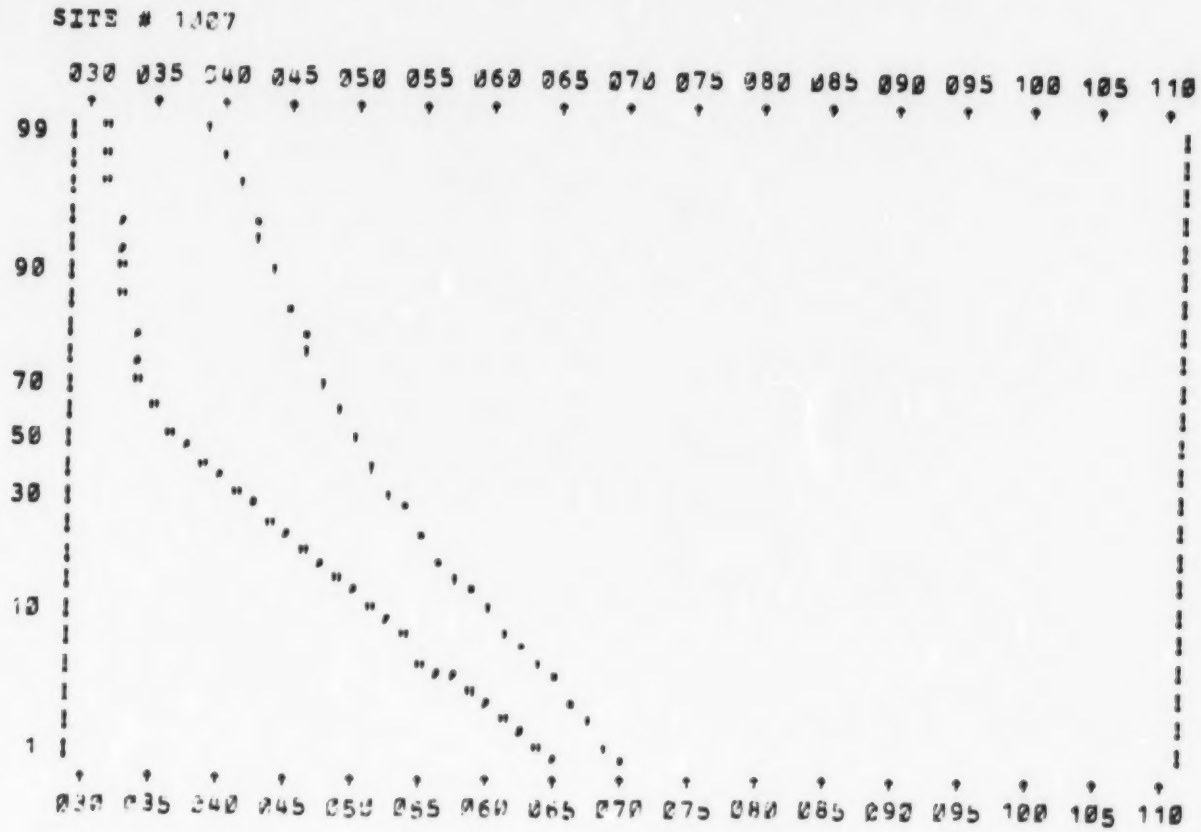
FIGURE B-97(a). DESCRIPTION OF SAN FRANCISCO SITE 1007

SITE # 1007

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	72.5	32.5	67.8	6.6	51.1	64.7	65.1	58.6	54.9	50.3	45.9
2	78.8	32.0	68.8	6.7	50.8	59.5	64.6	57.5	53.1	47.2	41.7
3	73.8	31.3	62.1	5.4	46.3	43.3	58.6	52.7	49.0	42.9	37.7
4	75.0	30.0	55.9	4.1	45.3	19.8	55.2	45.3	40.8	36.2	34.6
5	72.5	30.0	49.9	3.3	41.4	16.7	50.2	41.8	38.6	35.2	33.7
6	72.5	30.0	69.2	7.2	50.7	63.5	65.4	58.9	54.0	47.7	40.6
7	73.8	30.0	71.9	7.9	51.7	82.5	64.6	59.7	57.2	53.4	49.0
8	88.8	35.0	76.2	7.0	58.2	83.2	69.2	65.4	62.9	59.2	55.1
9	76.3	35.0	74.3	7.1	56.2	82.3	68.5	64.5	62.2	58.2	54.7
10	90.0	36.3	76.7	6.9	59.1	82.2	70.3	66.4	64.2	59.9	55.0
11	93.8	38.8	80.2	6.4	63.7	79.4	71.2	66.7	64.5	61.2	57.6
12	85.0	42.2	75.1	6.4	58.8	78.3	71.0	67.2	64.6	60.5	55.6
13	85.0	30.0	86.4	10.4	59.8	126.4	70.5	67.2	65.3	62.2	58.2
14	80.0	40.0	75.1	6.3	58.9	80.2	70.5	66.5	64.6	61.4	57.3
15	86.3	38.8	74.0	6.1	58.3	75.5	68.4	65.0	62.7	59.3	55.1
16	75.0	40.0	70.2	5.5	56.1	70.6	67.6	64.6	62.6	58.8	55.0
17	75.0	41.3	71.8	5.8	57.0	74.2	68.7	65.5	63.6	60.2	56.2
18	83.8	41.3	75.5	6.0	60.1	79.7	71.2	69.6	67.5	63.3	57.7
19	86.3	41.3	72.7	5.6	58.3	72.1	69.6	66.1	63.9	60.1	56.1
20	92.5	42.0	75.5	6.0	60.1	75.6	69.8	66.1	64.1	60.5	56.1
21	78.8	40.0	74.7	6.1	59.2	76.0	71.9	67.4	64.7	61.0	56.6
22	78.8	37.5	71.2	6.3	55.1	73.7	67.7	63.8	61.3	57.3	53.3
23	76.3	37.5	71.1	6.1	55.4	74.3	67.1	63.9	61.5	57.8	53.9
24	80.2	33.8	75.7	7.2	57.2	76.8	71.1	63.7	60.8	55.7	51.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	43.7	41.6	39.7	38.3	37.2	36.5	35.5	34.9	34.4	33.9
2	38.2	36.7	35.7	35.0	34.4	33.9	33.1	32.7	32.5	31.7
3	35.9	34.9	34.5	34.1	33.7	33.3	32.8	32.6	32.5	31.7
4	33.9	33.5	33.2	32.9	32.6	32.1	31.6	31.4	31.3	30.7
5	33.4	33.0	32.7	32.4	32.1	31.7	31.4	31.3	30.8	30.3
6	37.3	35.8	34.7	33.8	33.3	32.9	32.4	31.8	31.6	31.3
7	44.9	41.5	39.1	37.4	36.1	34.9	33.7	33.0	32.8	32.5
8	52.8	50.9	49.2	47.4	45.5	43.5	41.1	39.5	38.8	37.4
9	52.4	50.2	48.3	46.3	44.6	42.5	40.2	38.7	38.1	37.4
10	52.5	50.7	49.2	47.7	46.1	44.4	42.5	41.0	40.2	39.0
11	55.3	53.4	51.9	50.5	49.1	47.4	45.2	43.6	43.0	41.8
12	53.2	51.6	50.2	48.9	47.5	46.1	44.5	43.5	42.9	41.9
13	54.2	51.8	50.0	48.6	46.9	44.3	30.8	30.4	30.2	30.1
14	54.5	52.6	51.2	49.9	48.5	47.0	45.2	43.9	43.0	41.8
15	52.6	50.9	49.5	48.2	46.9	45.5	43.9	42.7	42.0	40.9
16	53.1	51.6	50.4	49.3	48.0	46.5	44.8	43.8	43.0	41.9
17	53.5	51.8	50.4	49.2	48.0	46.9	45.5	44.5	44.0	43.1
18	55.1	53.7	52.5	51.5	50.4	49.3	47.8	46.6	45.8	44.3
19	53.9	52.4	51.2	50.0	48.8	47.6	46.1	45.1	44.5	43.8
20	53.6	51.9	50.6	49.4	48.2	46.9	45.4	44.4	43.9	43.0
21	54.3	52.7	51.4	50.2	48.9	47.6	45.9	44.8	44.1	42.9
22	50.7	48.7	47.0	45.6	44.2	43.2	41.8	41.1	40.6	40.1
23	51.7	50.0	48.4	46.9	45.4	43.9	42.2	41.3	40.6	39.8
24	49.1	46.9	45.1	43.4	41.9	40.4	38.7	37.5	36.9	36.1

FIGURE B-97(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1007



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",".,	WEIGHTING	WEIGHTED LEQ
MAX	93.8	80.0	0.	57.5
MIN	33.0	30.0	8.	59.5
NPL	75.7	72.8	10.	60.5
SIG	6.5	8.1	12.	61.7
LDQ	59.0	52.1		
TNI	79.9	79.3		
L1	73.0	65.0		
L3	66.2	59.2		
L5	64.0	55.9		
L10	60.2	51.7		
L20	55.9	46.6		
L30	53.5	42.9		
L40	51.8	39.4		
L50	50.4	36.8		
L60	49.0	35.0		
L70	47.6	34.0		
L80	46.4	33.2		
L90	43.9	32.5		
L95	42.3	31.8		
L97	41.3	31.6		
L99	39.2	31.3		

FIGURE B-97(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1007

L_{DN}:	61.2 dB
ρ:	16,600 people/sq.mi.

SITE: 1008

Address: 2242 33rd Ave.
San Francisco, CA

Microphone Height: 3.7 m.

Distance to Curb: 6.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Buses

OTHER NOISE SOURCES:

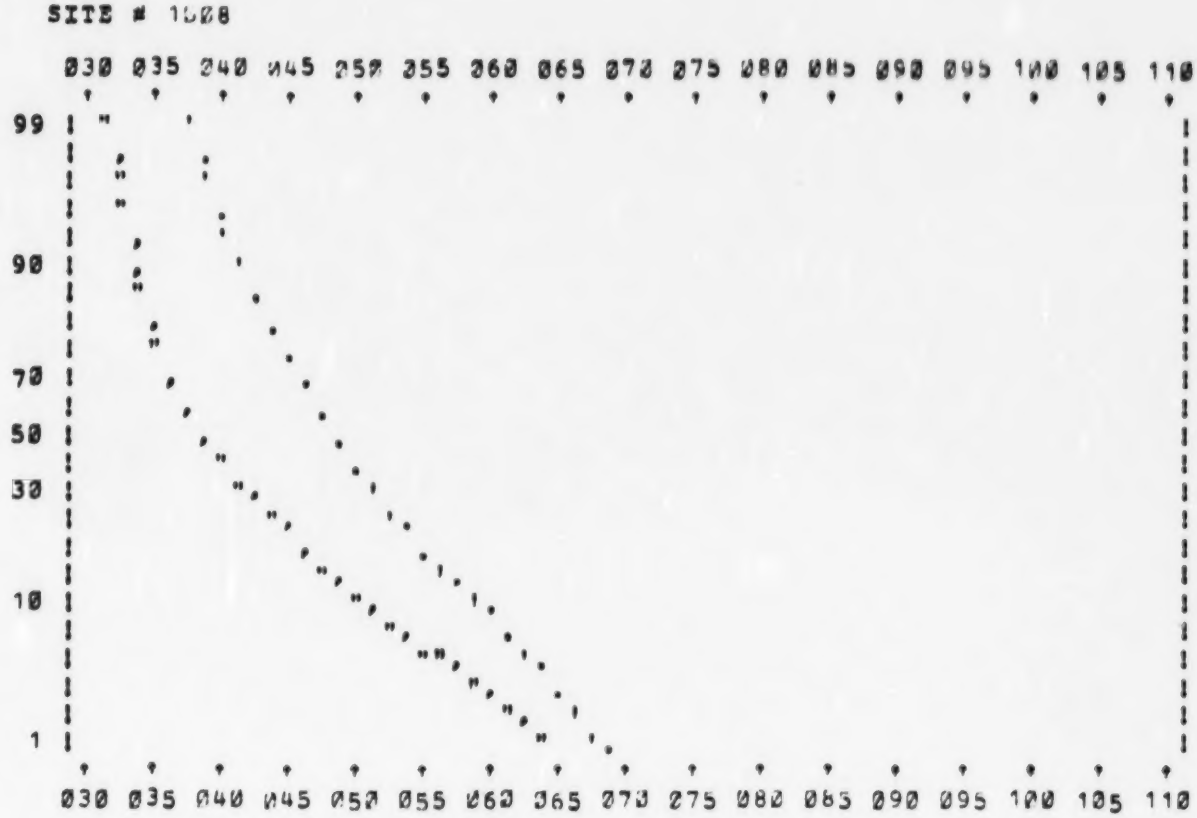
FIGURE B-98(a). DESCRIPTION OF SAN FRANCISCO SITE 1008

SITE # 1008

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	71.3	33.8	61.7	5.0	49.0	47.7	63.3	54.9	51.2	47.7	45.3
2	76.3	32.5	61.1	5.2	47.7	42.5	61.1	56.5	51.5	44.8	41.0
3	87.5	32.5	70.1	5.3	56.4	35.4	63.1	53.0	48.6	42.7	39.0
4	73.8	31.3	59.0	4.9	46.4	24.5	57.0	52.5	49.7	38.7	36.8
5	78.8	30.0	52.5	2.8	45.3	17.5	45.5	38.5	37.3	36.1	35.2
6	86.3	32.0	73.1	7.1	55.0	60.0	64.6	59.6	54.1	46.9	40.4
7	86.3	30.0	78.7	8.8	56.3	96.0	66.1	63.1	61.2	57.2	50.3
8	85.0	33.8	75.2	7.2	56.7	77.9	68.4	64.0	61.1	55.7	50.6
9	73.8	33.8	71.0	6.9	53.4	79.7	66.0	62.5	60.0	56.4	50.9
10	82.5	33.8	76.4	7.5	57.0	79.6	70.9	64.7	61.7	55.9	49.6
11	82.5	36.3	71.0	6.3	54.9	76.4	66.2	62.6	60.5	57.6	53.0
12	78.8	37.5	71.9	6.6	55.1	76.1	66.7	63.2	60.9	57.4	53.7
13	80.0	37.5	78.7	7.7	59.1	89.3	72.0	67.4	64.8	60.9	55.8
14	82.5	37.5	73.6	6.4	57.1	75.5	67.9	64.0	61.7	57.9	53.4
15	71.3	38.8	70.1	6.2	54.3	77.2	65.5	63.2	61.6	58.3	53.1
16	86.3	40.0	73.0	5.8	58.1	76.1	68.3	65.2	63.7	60.8	57.0
17	95.0	41.3	78.1	5.8	63.3	71.2	69.5	65.0	62.8	59.5	55.4
18	90.0	42.5	76.6	5.9	61.5	75.4	69.9	66.0	64.2	61.3	57.1
19	83.8	42.5	71.0	5.2	57.8	66.4	69.3	65.0	62.9	59.4	55.7
20	82.5	43.8	74.1	5.6	59.7	74.9	71.0	67.2	65.4	62.4	58.6
21	90.0	42.5	75.2	6.0	59.7	75.6	70.9	67.3	64.9	61.2	57.3
22	78.8	40.0	67.0	5.0	54.1	58.4	66.3	62.3	59.6	54.9	50.9
23	76.3	38.8	68.8	5.6	54.4	67.4	66.2	63.4	61.2	56.5	51.8
24	80.0	36.3	74.0	6.8	56.7	66.0	70.9	63.6	60.2	54.0	48.0

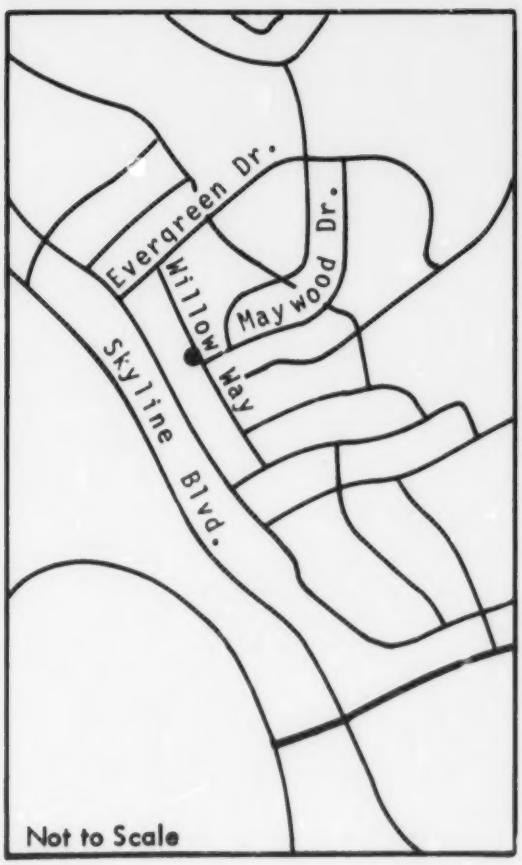
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	43.4	42.0	41.0	40.1	39.3	38.5	37.7	37.0	36.6	36.3
2	39.5	38.5	37.8	37.3	36.7	36.2	35.5	35.1	35.0	34.2
3	37.9	37.3	36.8	36.4	36.0	35.6	35.2	34.9	34.4	34.0
4	36.0	35.6	35.1	34.7	34.4	34.0	33.4	32.9	32.7	32.6
5	34.7	34.3	33.9	33.5	33.2	32.8	32.3	31.7	31.5	31.3
6	38.2	36.7	35.7	34.8	34.1	33.3	32.6	31.8	31.5	30.9
7	47.7	45.0	42.9	38.6	37.0	35.6	34.2	33.4	32.9	32.2
8	47.6	45.6	43.8	42.2	40.8	39.5	38.3	37.6	37.1	36.3
9	48.3	46.3	44.4	42.5	41.1	39.8	38.6	37.8	37.4	36.5
10	46.4	44.4	42.8	41.4	40.3	39.2	38.2	37.2	36.7	36.0
11	50.1	48.1	46.7	45.4	44.2	42.9	41.4	40.3	39.5	38.3
12	51.0	48.5	46.3	44.7	43.5	42.4	41.1	40.3	40.0	39.1
13	51.8	49.3	47.4	45.7	44.2	42.8	41.4	40.6	40.2	39.4
14	50.4	48.3	46.8	45.5	44.3	43.2	42.1	41.4	40.9	40.2
15	50.2	48.2	46.7	45.3	44.1	43.1	42.0	41.5	41.2	40.3
16	54.2	52.4	51.3	50.0	48.5	47.0	45.7	44.8	44.2	43.2
17	52.8	51.2	50.0	49.1	48.2	47.1	45.6	44.6	44.1	43.1
18	54.3	52.3	53.9	49.7	48.7	47.8	46.6	45.9	45.5	45.0
19	53.5	52.0	50.9	49.9	49.0	48.1	47.1	46.4	46.0	45.3
20	56.0	54.1	52.7	51.6	50.5	49.4	48.2	47.5	47.0	46.3
21	54.7	52.7	51.2	49.9	48.7	47.6	46.4	45.5	45.1	44.2
22	49.0	47.8	46.9	46.1	45.4	44.6	43.8	43.0	42.7	41.8
23	49.4	47.9	46.8	45.8	44.9	44.2	42.9	42.1	41.7	41.2
24	45.3	43.6	42.4	41.6	40.9	40.2	39.4	38.9	38.8	37.9

FIGURE B-98(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1008



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	95.0	87.5	0.	57.2
MIN	33.8	30.0	8.	60.0
NPL	76.1	72.4	10.	61.2
SIG	6.9	7.3	12.	62.7
LEQ	58.4	53.8		
TNI	82.6	69.5		
L1	68.9	64.8		
L3	64.9	59.9		
L5	62.7	55.8		
L10	59.1	50.2		
L20	54.6	45.7		
L30	51.9	42.6		
L40	50.0	40.2		
L50	48.4	38.4		
L60	46.9	37.0		
L70	45.4	35.9		
L80	43.5	34.9		
L90	41.3	33.7		
L95	39.7	32.9		
L97	38.8	32.6		
L99	37.5	31.7		

FIGURE B-98(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1008



L_{DN}:	63.8	dB
ρ:	9,600	people / sq. mi.

SITE: 1010

Address: 2001 Willow Way
San Bruno, CA

Microphone Height: 3.7 m.

Distance to Curb: 3.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

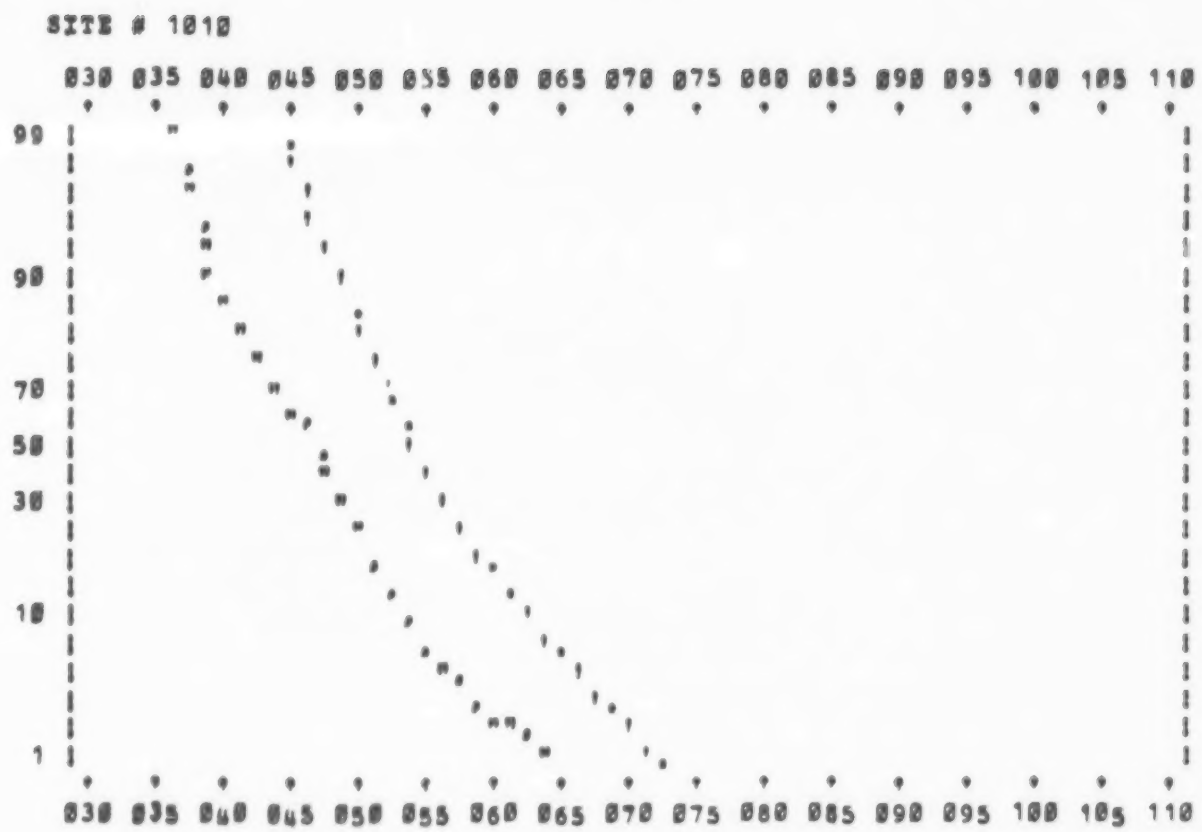
FIGURE B-99(a). DESCRIPTION OF SAN FRANCISCO SITE 1010

SITE # 1010

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	85.0	42.5	60.7	2.8	53.4	41.4	57.6	55.0	54.0	52.6	51.2
2	76.3	42.5	60.8	3.4	52.0	47.0	61.8	57.1	55.5	53.6	51.9
3	77.5	38.8	64.8	4.5	53.3	44.5	66.3	60.8	55.4	51.0	48.9
4	76.3	35.0	63.4	4.8	51.0	39.7	65.5	56.8	50.2	46.2	43.9
5	78.8	33.8	62.6	4.4	51.3	33.4	63.5	50.0	46.7	43.5	41.3
6	76.3	36.3	60.7	4.5	49.3	48.1	59.7	56.0	53.3	49.2	46.1
7	90.0	40.0	78.5	6.3	62.3	64.2	73.8	64.9	61.3	55.7	51.6
8	91.3	41.3	81.8	7.1	63.7	80.3	74.8	70.1	67.0	61.1	55.9
9	82.5	42.5	73.9	5.8	59.0	75.6	71.0	66.8	64.5	61.3	57.6
10	82.5	42.5	75.3	5.9	60.2	75.8	72.0	68.2	65.9	61.9	58.6
11	83.8	41.3	81.2	7.3	62.5	92.9	73.8	70.7	68.9	66.1	62.5
12	96.3	40.0	75.1	5.7	60.6	72.4	70.3	67.2	65.0	61.3	56.8
13	86.3	43.8	68.9	4.3	58.0	55.4	69.3	62.5	59.8	57.4	55.2
14	87.5	46.3	72.2	4.5	60.7	64.6	70.6	66.2	64.5	62.1	59.9
15	97.5	48.8	78.4	5.1	65.3	72.5	75.1	71.0	69.1	65.9	62.9
16	78.8	48.8	67.4	3.3	58.8	54.5	68.6	64.4	62.6	60.9	59.2
17	90.0	47.5	72.1	4.4	60.8	62.9	71.4	67.3	64.9	62.0	59.3
18	87.5	48.8	76.3	5.3	62.7	75.5	73.5	70.4	68.6	65.5	61.5
19	90.0	48.8	70.4	4.0	60.1	54.4	70.7	66.5	63.6	59.9	57.1
20	98.8	48.8	82.9	5.7	68.2	75.8	76.2	71.7	69.3	65.7	61.6
21	87.5	45.0	70.0	4.3	59.0	57.8	69.7	65.1	62.5	59.4	56.6
22	78.8	46.3	68.1	4.4	57.0	57.3	68.9	64.5	62.0	58.4	54.8
23	81.3	43.8	66.7	4.1	56.2	56.1	67.3	62.1	60.2	57.6	54.9
24	71.3	42.5	58.7	3.0	51.1	43.6	59.8	57.2	55.6	53.3	51.3

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	50.2	49.5	48.9	48.3	47.7	47.1	46.4	45.7	45.4	45.0
2	50.8	49.9	49.1	48.3	47.6	46.8	45.8	45.2	44.7	44.0
3	47.7	46.7	46.0	45.3	44.7	44.0	43.1	42.6	42.0	41.3
4	42.8	42.0	41.3	40.6	40.0	39.2	38.3	37.8	37.5	36.7
5	40.4	39.7	39.0	38.5	38.0	37.6	36.9	36.5	36.3	35.7
6	44.7	43.6	42.7	41.9	41.2	40.4	39.5	39.0	38.7	37.9
7	49.4	47.8	46.6	45.6	44.7	43.8	42.8	42.1	41.7	41.2
8	53.2	51.3	49.7	48.4	47.2	46.0	44.7	43.9	43.4	42.7
9	55.5	53.7	52.2	50.8	49.5	48.1	46.6	45.6	45.2	44.3
10	56.6	54.8	53.3	51.9	50.6	49.2	47.3	46.2	45.6	44.7
11	59.2	56.1	53.7	51.9	50.3	48.8	47.1	46.2	45.4	44.2
12	53.9	52.3	51.0	50.0	49.2	48.4	47.5	46.7	46.3	45.3
13	54.0	53.0	52.2	51.4	50.5	49.4	48.0	47.0	46.6	45.8
14	58.6	57.5	56.3	55.1	54.0	52.7	51.3	50.3	49.8	49.0
15	61.1	59.6	58.5	57.3	56.2	55.1	53.7	52.7	52.1	51.4
16	58.2	57.3	56.5	55.7	55.0	54.1	53.1	52.5	51.9	51.4
17	57.7	56.3	55.3	54.4	53.5	52.7	51.7	51.1	50.6	50.1
18	59.1	57.5	56.2	55.1	54.1	53.2	52.2	51.5	51.1	50.3
19	55.7	54.8	54.1	53.5	53.0	52.5	51.8	51.4	51.2	50.4
20	59.3	57.6	56.4	55.2	54.2	53.3	52.3	51.6	51.3	50.5
21	55.0	54.1	53.3	52.5	51.8	51.1	49.9	48.6	48.0	47.2
22	53.0	52.1	51.3	50.7	50.2	49.5	48.8	48.1	47.8	47.4
23	53.3	52.1	51.3	50.6	49.9	49.1	48.1	47.5	47.0	46.4
24	50.4	49.6	49.0	48.4	47.9	47.3	46.5	46.0	45.5	45.1

FIGURE B-99(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1010



	DAY '.'.	NIGHT "."."	WEIGHTING	WEIGHTED LEQ
MAX	98.8	90.0	0.	68.8
MIN	40.0	33.8	8.	62.8
MPL	76.8	70.2	10.	63.8
SIG	5.7	5.7	12.	65.0
LEQ	62.3	55.5		
TNI	74.0	64.9		
L1	72.5	65.0		
L3	68.4	58.9		
L5	66.1	56.3		
L10	62.6	53.3		
L20	59.2	50.9		
L30	57.2	49.4		
L40	55.7	48.2		
L50	54.4	47.0		
L60	53.2	45.6		
L70	52.1	43.8		
L80	50.8	41.7		
L90	48.8	39.5		
L95	47.1	38.2		
L97	46.3	37.7		
L99	44.7	36.7		

FIGURE B-99(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1010

L_{DN}:	61.1	dB
ρ:	22,600	people / sq.mi.

SITE: 1011

Address: 3873 Clay
San Francisco, CA

Microphone Height: 3.7 m.

Distance to Curb: 3.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

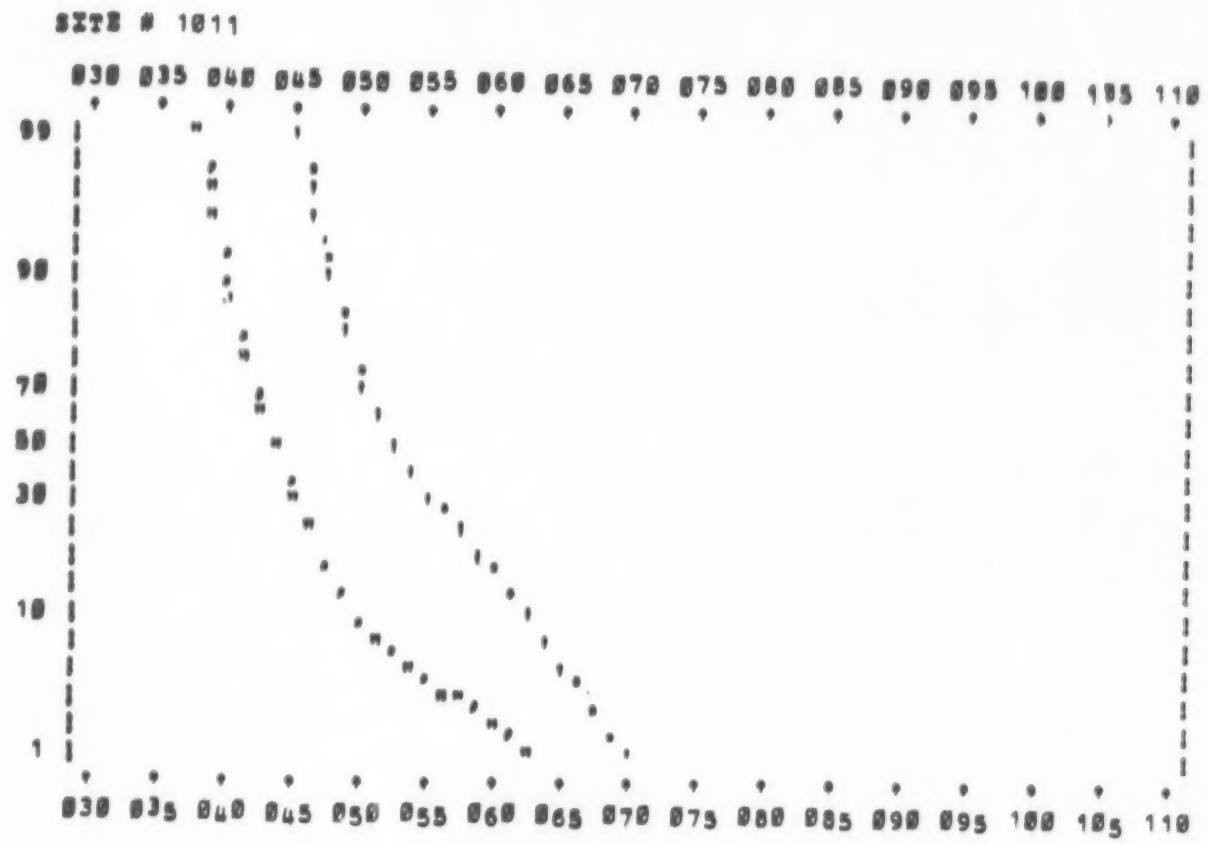
FIGURE B-100(a). DESCRIPTION OF SAN FRANCISCO SITE 1011

SITE # 1011

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	77.5	38.8	63.3	4.3	52.2	42.1	65.0	58.7	54.5	49.9	47.8
2	77.5	40.0	58.0	3.3	49.4	33.8	60.8	52.7	49.8	47.3	45.8
3	68.8	37.5	53.7	3.0	46.1	31.8	57.2	49.9	47.6	45.7	44.5
4	60.0	36.3	48.1	2.3	42.1	27.7	51.0	46.4	44.9	43.5	42.3
5	73.8	36.3	56.6	3.5	47.6	29.0	58.0	49.4	46.0	43.6	42.3
6	76.3	36.3	54.2	2.8	47.0	32.3	51.2	47.5	46.5	45.2	43.7
7	76.3	40.0	66.6	5.1	53.4	58.2	66.1	61.4	58.5	54.0	49.5
8	76.3	42.5	70.9	5.3	57.3	65.7	69.5	65.7	63.0	58.0	55.2
9	86.3	45.0	77.2	6.1	61.6	79.3	72.7	68.4	66.3	63.0	59.7
10	82.5	45.0	74.4	5.6	60.1	74.3	71.0	66.9	65.1	62.6	59.5
11	82.5	45.0	71.5	5.1	58.4	70.0	69.1	66.1	64.5	61.4	57.9
12	81.3	45.0	73.1	5.4	59.2	74.2	69.8	66.8	65.1	62.7	59.5
13	78.8	45.0	72.8	5.4	59.1	72.4	70.0	66.9	65.0	62.4	59.3
14	87.5	35.0	84.5	7.6	65.2	86.7	77.8	72.2	69.8	65.9	62.6
15	83.8	46.3	72.9	5.3	59.2	73.5	69.6	66.4	64.9	62.7	59.6
16	81.3	46.3	74.8	5.5	60.7	76.4	71.9	68.5	66.8	64.2	60.4
17	85.0	46.3	76.0	5.8	61.3	79.5	71.4	68.6	67.2	64.9	61.7
18	87.5	45.0	76.4	5.6	61.9	77.8	71.6	68.3	66.8	64.6	61.8
19	85.0	45.0	74.7	5.7	60.0	76.5	70.9	67.5	65.9	63.2	59.3
20	78.8	43.8	72.4	5.4	58.5	71.5	70.2	66.4	64.4	61.3	57.2
21	77.5	42.5	71.3	5.6	57.0	70.3	68.9	65.5	63.8	59.9	54.8
22	77.5	42.5	67.7	5.0	54.9	60.8	66.9	62.8	60.5	56.7	52.6
23	91.3	42.5	72.8	5.2	59.5	60.6	68.3	63.3	60.7	56.7	52.1
24	75.0	41.3	64.3	4.5	52.8	54.2	64.6	61.1	59.0	54.4	50.3

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	45.8	45.1	44.6	44.1	43.6	43.1	42.5	41.8	41.5	40.8
2	45.0	44.4	43.8	43.4	42.9	42.5	41.8	41.5	41.3	40.8
3	43.7	43.2	42.7	42.1	41.6	41.0	40.4	40.1	39.7	39.1
4	41.5	41.0	40.6	40.2	39.8	39.3	38.8	38.2	37.9	37.6
5	41.5	40.9	40.4	40.0	39.5	39.1	38.5	38.0	37.8	37.5
6	42.9	42.2	41.7	41.2	40.7	40.2	39.5	39.0	38.9	38.2
7	47.6	46.4	45.5	44.8	44.0	43.3	42.6	41.9	41.6	41.3
8	53.0	51.5	50.2	49.2	48.3	47.5	46.6	45.9	45.5	45.0
9	56.6	54.4	52.9	51.5	50.5	49.4	48.4	47.8	47.6	46.7
10	57.1	55.0	53.3	51.9	50.8	49.8	48.8	48.0	47.6	46.8
11	55.7	54.0	52.7	51.6	50.7	49.7	48.6	47.8	47.4	46.6
12	56.8	54.8	53.2	51.9	50.9	49.9	48.9	48.1	47.8	47.0
13	56.8	54.6	53.0	51.8	50.8	50.0	49.1	48.4	48.0	47.6
14	59.5	57.0	54.8	52.7	51.4	50.3	49.0	46.5	41.9	38.6
15	57.2	55.1	53.4	52.1	51.0	50.1	49.1	48.4	48.0	47.6
16	57.6	55.7	54.4	53.0	52.0	51.0	50.1	49.3	49.0	48.2
17	59.2	57.0	55.1	53.7	52.4	51.3	50.0	48.9	48.4	47.7
18	59.6	57.6	55.8	54.3	52.9	51.6	50.2	49.2	48.7	47.7
19	56.6	54.3	52.6	51.4	50.5	49.7	48.8	48.1	47.7	47.1
20	54.8	52.9	51.5	50.5	49.6	48.8	47.9	47.3	46.8	46.4
21	51.7	49.9	48.8	48.2	47.6	47.0	46.4	45.8	45.4	45.1
22	49.7	48.4	47.5	47.0	46.5	46.0	45.3	45.0	44.6	44.0
23	49.8	48.6	47.8	47.2	46.6	46.1	45.4	45.1	44.8	44.1
24	48.5	47.4	46.8	46.2	45.7	45.2	44.5	44.0	43.8	43.0

FIGURE B-100(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1011



	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	87.5	91.3	0.	58.2
MIN	35.0	36.3	8.	60.2
MPL	74.7	65.4	10.	61.1
SIG	5.9	4.9	12.	62.4
LEQ	59.7	52.8		
TNI	77.6	50.3		
L1	70.6	63.6		
L3	67.2	57.9		
L5	65.4	54.4		
L10	62.7	50.0		
L20	59.0	47.2		
L30	56.2	45.9		
L40	54.2	44.8		
L50	52.6	43.8		
L60	51.3	42.9		
L70	50.2	42.0		
L80	49.1	41.0		
L90	47.7	39.9		
L95	46.7	39.1		
L97	46.3	38.8		
L99	45.3	38.0		

FIGURE B-100(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1011

L_{DN}:	61.9	dB
ρ:	30,200	people / sq.mi.

SITE: 1012

Address: 538 11th Ave.
San Francisco, CA

Microphone Height: 3.7 m.

Distance to Curb: 3.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-101(a). DESCRIPTION OF SAN FRANCISCO SITE 1012

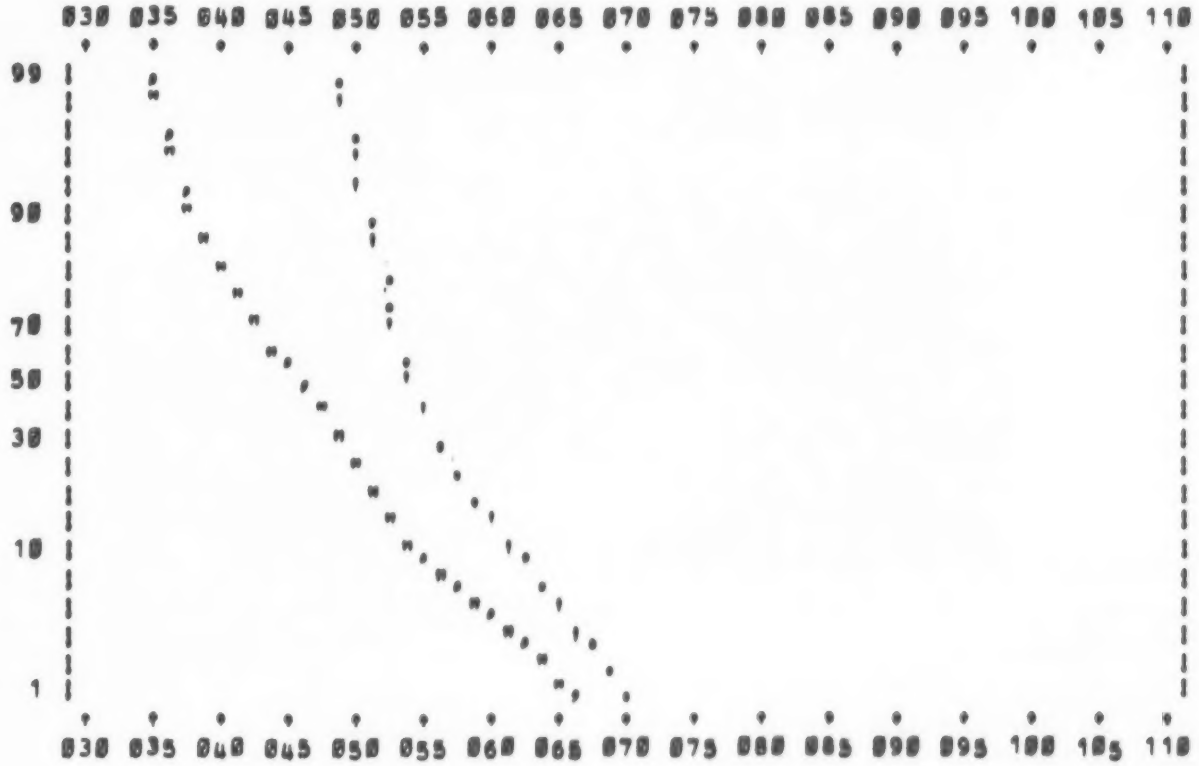
SITE # 1012

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	85.0	41.3	66.5	4.7	54.4	55.0	60.8	62.3	59.2	54.7	51.4
2	86.3	38.8	66.9	4.7	54.8	50.1	65.7	59.3	55.8	51.7	49.0
3	71.3	33.8	58.6	4.4	47.4	48.9	50.5	53.2	51.2	48.5	45.8
4	73.8	31.3	59.7	4.8	47.5	47.5	58.3	51.9	49.6	46.2	43.0
5	75.0	31.3	59.1	4.6	47.4	43.1	59.2	49.7	47.3	44.8	41.8
6	76.3	33.8	65.3	5.4	51.5	60.8	63.5	57.0	55.6	52.2	48.1
7	77.5	37.5	67.2	5.0	54.4	59.1	65.8	61.6	58.5	55.0	52.5
8	76.3	47.5	68.9	4.2	58.1	62.1	69.3	65.5	63.4	61.3	57.4
9											
10	81.3	46.3	69.3	4.1	58.7	58.7	69.4	66.2	63.9	60.6	57.2
11	85.0	47.5	71.6	4.5	60.1	63.2	71.3	67.2	65.2	61.9	58.8
12	86.3	48.8	71.3	4.3	60.3	62.8	71.2	67.1	65.1	62.2	58.6
13	93.8	47.5	71.9	4.1	61.3	58.8	70.8	66.8	64.8	61.3	58.0
14	82.5	48.8	70.6	4.2	59.9	62.1	70.5	67.4	65.8	62.5	58.6
15	100.0	32.5	79.7	6.3	63.5	75.9	71.0	67.4	65.5	62.3	59.1
16	80.0	47.5	69.7	4.2	59.0	60.3	69.3	66.5	64.6	61.1	57 7
17	77.5	48.8	69.6	4.1	59.1	63.0	69.3	66.7	65.1	62.4	59.1
18											
19	86.3	47.5	73.8	4.9	61.4	69.5	72.1	68.4	66.7	63.8	60.1
20	87.5	47.5	74.2	5.1	61.2	72.2	71.9	68.6	66.9	64.2	60.9
21	86.3	46.3	70.6	4.3	59.5	65.9	69.8	64.9	62.6	58.7	55.3
22	82.5	45.8	69.5	4.6	57.6	62.3	[illegible]	65.5	63.5	59.7	55.7
23	78.8	45.0	69.8	4.8	57.5	63.9	69.1	65.7	63.6	59.8	55.7
24	77.5	42.5	70.7	5.2	57.2	70.7	68.5	65.8	64.0	60.8	55.1

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	49.7	48.6	47.8	47.1	46.4	45.6	44.6	43.9	43.4	42.7
2	47.6	46.6	45.7	44.9	44.1	43.3	42.3	41.5	41.0	40.3
3	44.1	42.9	42.0	41.1	40.3	39.4	38.3	37.6	37.1	36.4
4	41.3	40.2	39.3	38.5	37.7	36.8	35.7	35.0	34.4	33.8
5	40.2	39.2	38.4	37.6	36.9	36.2	35.3	34.7	34.3	33.8
6	46.0	44.8	43.8	42.9	42.0	41.0	39.3	38.0	37.2	35.9
7	51.2	50.0	48.9	47.8	46.6	45.3	43.6	42.2	41.4	40.3
8	55.3	54.2	53.4	52.8	52.2	51.7	51.0	50.4	50.1	49.3
9										
10	55.6	54.6	53.8	53.2	52.7	52.2	51.3	50.5	50.2	49.4
11	56.9	55.5	54.6	53.8	53.1	52.3	51.4	50.7	50.3	49.7
12	57.0	55.9	55.0	54.3	53.6	52.9	52.0	51.4	51.0	50.2
13	56.4	55.5	54.8	54.2	53.6	53.0	52.2	51.6	51.3	50.3
14	57.0	56.1	55.3	54.7	54.1	53.4	52.6	51.8	51.5	50.8
15	57.3	55.9	54.7	53.8	52.9	51.7	47.8	42.8	40.1	36.7
16	56.8	54.9	54.2	53.5	52.9	52.2	51.4	50.7	50.3	49.9
17	57.0	55.9	55.0	54.4	53.8	53.0	52.2	51.6	51.3	50.5
18										
19	57.8	56.2	55.1	54.3	53.6	52.9	51.9	51.3	50.8	50.1
20	58.8	57.1	55.7	54.6	53.5	52.6	51.5	50.7	50.3	49.4
21	53.7	52.9	52.2	51.6	51.0	50.4	49.6	49.0	48.8	48.0
22	53.7	52.5	51.7	51.0	50.4	49.7	48.9	48.1	47.7	46.9
23	53.6	52.3	51.3	50.5	49.8	49.2	48.4	47.8	47.6	46.7
24	52.4	51.2	50.5	49.8	49.1	48.4	47.5	46.6	46.2	45.3

FIGURE B-101(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1012

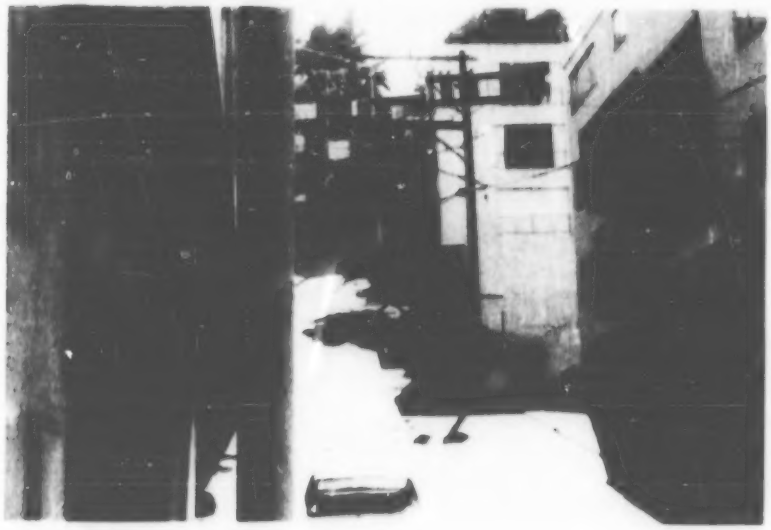
SITE # 1012



CUMULATIVE DISTRIBUTION

	DAY '.',	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	100.0	86.3	0.	58.6
MIN	32.5	31.3	0.	60.9
MPL	71.9	71.1	10.	61.9
SIG	4.6	6.7	12.	63.3
LEQ	60.0	54.0		
TNI	64.8	73.3		
L1	70.4	66.4		
L3	67.0	61.8		
L5	65.0	58.6		
L10	61.9	54.3		
L20	58.4	51.1		
L30	56.4	49.4		
L40	55.2	47.9		
L50	54.4	46.2		
L60	53.6	44.4		
L70	52.8	42.5		
L80	52.0	40.3		
L90	51.0	38.0		
L95	50.1	36.5		
L97	49.5	35.8		
L99	48.2	34.7		

FIGURE B-101(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1012



L_{DN}:	68.2	dB
ρ:	16,500	people / sq.mi.

SITE: 1013

Address: 10 Glendale
San Francisco, CA

Microphone Height: 3.7 m.

Distance to Curb: 0.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

FIGURE B-102(a). DESCRIPTION OF SAN FRANCISCO SITE 1013

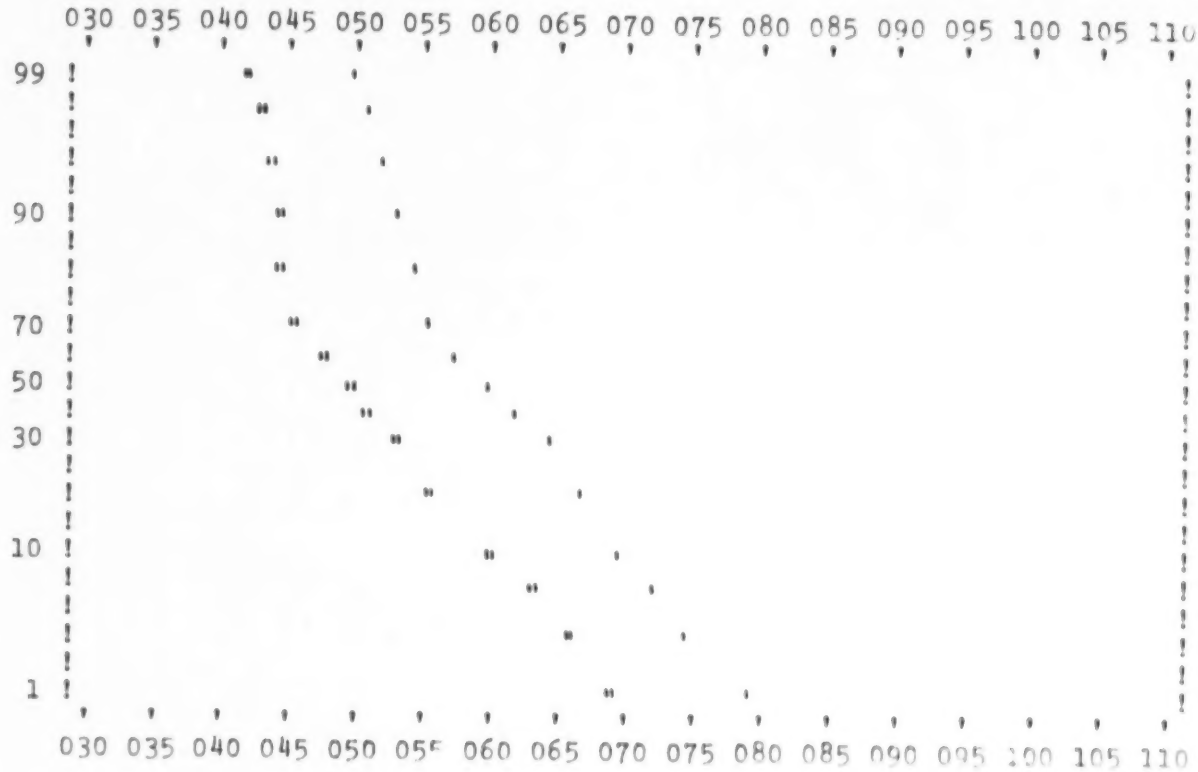
SITE # 1013

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	80.0	42.0	73.0	5.8	58.1	67.9	69.0	66.4	64.3	58.5	53.8
2	72.0	42.0	67.5	5.0	54.8	58.3	66.0	63.7	60.7	55.9	51.9
3	76.0	40.0	67.6	5.1	54.5	55.4	66.0	62.8	58.5	53.5	49.2
4	68.0	39.0	57.8	3.4	49.2	34.1	61.3	54.5	50.3	47.8	46.3
5	75.0	41.0	63.3	4.0	53.0	43.4	64.0	55.7	53.8	50.7	48.4
6	70.0	41.0	66.0	5.0	53.3	56.5	65.0	60.8	57.5	54.5	51.6
7											
8	85.0	49.0	77.4	5.1	64.5	75.0	74.6	71.0	68.9	66.8	63.8
9	87.0	48.0	78.3	5.3	64.8	76.1	72.5	69.1	67.5	65.9	62.8
10	77.0	46.0	75.1	5.1	62.0	73.7	72.3	68.7	67.1	64.9	62.3
11	84.0	48.0	76.8	5.3	63.4	75.2	71.9	69.3	67.6	65.8	64.0
12	92.0	46.0	82.9	6.3	66.9	83.7	75.0	72.5	70.0	67.8	65.2
13	82.0	46.0	80.5	5.9	65.4	82.6	76.0	72.4	70.5	68.0	64.8
14	89.0	50.0	85.1	6.2	69.2	87.3	80.3	75.1	73.6	71.1	68.2
15	89.0	52.0	88.6	6.5	71.8	94.2	82.5	79.1	77.2	74.6	71.8
16	91.0	54.0	92.9	6.8	75.5	98.8	86.5	84.2	81.5	77.9	74.6
17	83.0	50.0	78.7	4.9	66.2	73.2	74.7	70.9	69.5	67.8	66.2
18	90.0	50.0	80.2	5.2	66.9	77.6	75.3	71.8	70.5	68.6	66.5
19	102.0	49.0	87.4	5.6	73.1	79.7	72.5	69.7	68.8	67.0	64.5
20	84.0	49.0	77.9	5.4	64.1	76.4	73.7	69.6	68.3	66.2	63.8
21	78.0	49.0	75.6	5.3	62.1	75.1	72.0	68.4	67.4	65.3	62.6
22	81.0	48.0	75.0	5.4	61.2	75.7	70.3	67.3	66.5	64.4	61.3
23	83.0	48.0	75.5	5.3	61.9	75.8	69.9	67.5	66.7	64.7	61.9
24	78.0	46.0	74.0	5.5	60.0	75.8	69.7	67.7	65.7	63.1	57.9

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	51.3	50.7	49.6	47.6	46.8	46.0	45.1	44.6	44.2	43.6
2	49.9	48.9	48.4	46.8	46.1	45.5	44.9	44.3	44.1	43.5
3	47.5	46.5	45.7	44.9	44.2	43.5	42.8	42.1	41.7	41.2
4	45.4	44.7	44.2	43.8	43.4	42.9	42.2	41.7	41.3	41.0
5	46.5	46.0	45.4	44.9	44.4	43.7	43.1	42.5	42.2	41.7
6	49.7	48.6	46.9	46.1	45.5	44.7	43.8	43.2	43.0	42.3
7										
8	61.6	59.9	58.7	57.7	56.7	55.5	54.0	52.6	51.9	51.0
9	60.4	58.6	57.4	56.3	55.2	54.0	52.3	51.5	50.5	49.4
10	60.0	58.2	57.0	56.0	54.6	53.3	51.7	50.7	50.1	49.1
11	61.5	59.6	57.9	56.6	55.4	54.2	52.6	51.4	50.7	49.3
12	63.0	60.6	58.5	56.7	55.2	53.9	52.3	50.9	50.0	48.7
13	62.7	60.4	58.6	57.3	56.0	54.6	53.0	51.7	51.0	50.6
14	65.6	62.8	61.2	60.8	58.4	57.1	55.5	54.3	53.4	52.0
15	68.9	66.5	64.3	62.6	61.3	59.6	58.0	56.7	56.0	55.0
16	72.3	70.1	67.9	66.1	64.5	62.6	60.7	59.5	58.5	56.6
17	64.7	63.5	62.2	60.5	59.0	57.4	55.8	54.7	54.1	52.3
18	64.9	63.7	62.0	60.3	58.6	57.3	55.4	54.2	53.5	52.3
19	62.4	60.2	58.6	56.9	55.7	54.3	52.7	51.8	51.3	50.6
20	61.7	59.8	58.1	56.6	55.4	54.2	52.6	51.7	51.2	50.5
21	59.8	57.8	56.2	54.9	53.9	52.9	51.9	51.1	50.6	50.0
22	58.6	56.4	54.8	53.5	52.5	51.6	50.5	49.8	49.3	48.5
23	58.9	57.0	55.6	54.2	52.9	52.2	51.0	50.1	49.6	48.8
24	55.7	54.0	52.7	51.7	50.8	49.8	48.8	48.1	47.6	47.1

FIGURE B-102(b). HOURLY NOISE DATA FOR SAN FRANCISCO SITE 1013

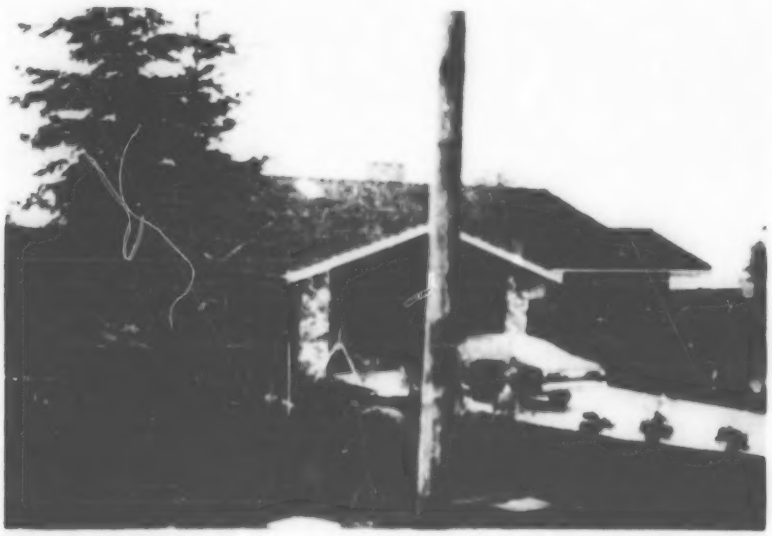
SITE # 1013

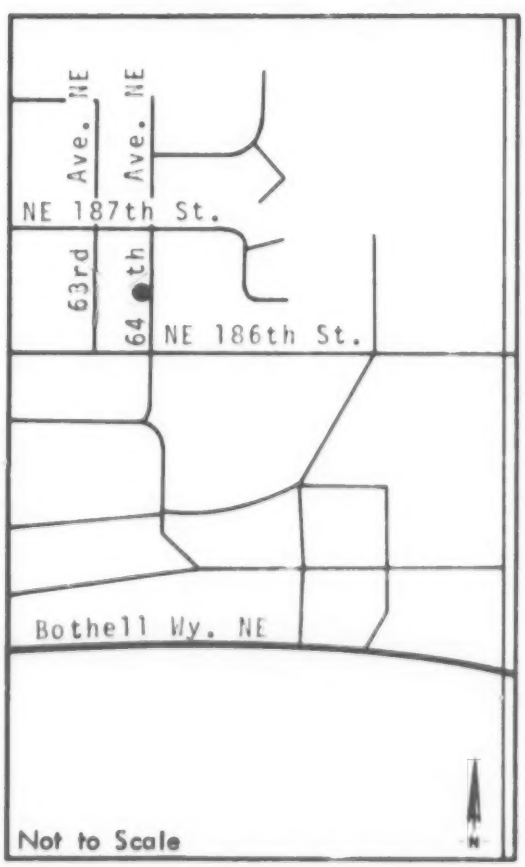


CUMULATIVE DISTRIBUTION

	DAY '	NIGHT "	WEIGHTING	WEIGHTED LEQ
MAX	102.0	93.0	0.	66.8
MIN	46.0	39.0	8.	67.6
NPL	84.7	80.8	10.	68.2
SIG	6.4	6.9	12.	68.8
LEQ	68.7	57.2		
TNI	86.9	79.8		
L1	79.1	69.5		
L3	74.4	65.9		
L5	72.2	64.1		
L10	68.9	59.8		
L20	65.8	55.4		
L30	63.6	52.5		
L40	61.5	50.5		
L50	59.5	48.6		
L60	57.9	47.0		
L70	56.3	45.8		
L80	54.8	44.8		
L90	52.9	43.5		
L95	51.6	43.0		
L97	51.0	42.5		
L99	49.8	41.6		

FIGURE B-102(c). DAY/NIGHT NOISE DATA FOR SAN FRANCISCO SITE 1013





L_{DN}:	55.6	dB
ρ:	2,600	people / sq.mi.

SITE: 1501

Address: 18534 64th Ave. NE
Seattle, WA

Microphone Height: 1.5 m.

Distance to Curb: 11.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

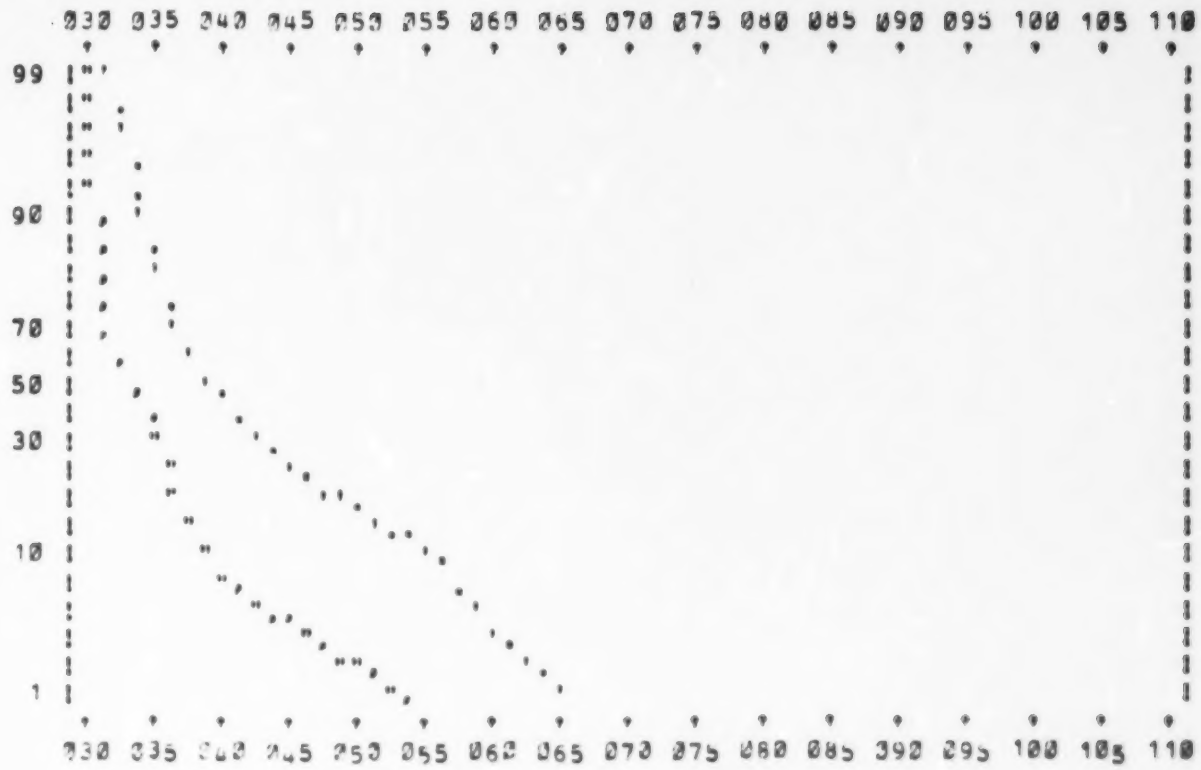
FIGURE B-103(a). DESCRIPTION OF SEATTLE SITE 1501

SITE # 1501

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	86.3	30.0	65.1	5.7	50.5	51.4	57.0	52.0	48.6	44.2	39.0
2	88.8	30.0	69.1	6.0	53.8	42.7	58.9	51.9	47.7	40.9	35.1
3	53.8	30.0	36.7	1.8	32.1	13.3	39.7	36.4	34.9	33.5	32.1
4	70.0	30.0	42.5	2.1	37.2	4.4	38.7	32.8	31.8	31.2	31.1
5	68.8	32.0	45.4	3.1	37.5	16.8	46.9	40.0	37.4	34.3	32.2
6	63.8	30.3	43.4	2.7	36.4	20.3	42.6	38.4	37.0	35.4	34.2
7	61.3	30.0	45.7	2.7	38.8	23.6	48.2	41.6	39.8	38.5	37.6
8	78.8	30.0	73.9	7.4	52.0	64.2	65.6	60.8	55.8	47.9	42.0
9	75.0	30.0	65.2	6.4	48.8	59.4	62.0	55.9	51.9	47.0	39.1
10	80.0	30.0	76.4	8.4	54.9	76.9	68.9	63.5	58.7	50.9	42.4
11	82.5	30.0	68.8	6.5	52.2	55.2	63.0	55.8	52.1	46.0	40.4
12	77.5	31.3	63.8	5.8	48.8	59.5	61.8	56.2	53.1	49.0	44.4
13	90.0	30.0	69.7	6.4	53.2	62.1	62.4	57.4	54.3	48.6	42.4
14	77.5	32.5	65.3	6.1	49.7	59.6	62.5	56.5	53.1	48.7	44.7
15	87.5	31.3	74.0	7.5	54.9	79.1	66.1	61.4	58.9	54.1	48.4
16	91.3	31.3	78.5	7.9	58.4	77.8	66.4	61.6	58.0	52.9	46.6
17	81.3	31.3	76.7	8.4	55.3	94.1	66.4	62.1	60.6	58.3	54.4
18	81.3	31.3	79.8	9.2	56.2	102.2	66.1	62.6	61.5	59.8	57.5
19	73.8	31.3	68.9	7.0	51.0	78.4	62.9	59.8	57.8	53.8	48.9
20	86.3	31.3	81.7	9.3	57.9	96.1	69.1	65.9	63.0	59.8	57.8
21	78.8	32.5	73.8	7.2	55.3	70.5	69.8	63.9	59.0	52.8	46.8
22	82.5	32.5	67.7	6.0	52.3	60.5	62.8	57.2	54.2	49.6	43.6
23	71.3	32.5	57.5	4.7	45.5	41.9	58.7	52.4	49.1	44.4	39.9
24	68.8	30.0	58.5	4.9	45.9	35.4	60.8	52.6	47.8	41.7	38.5

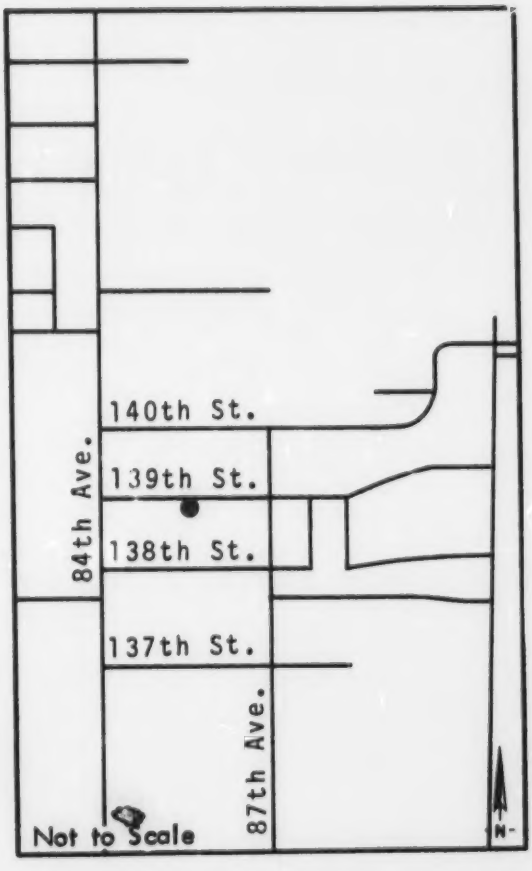
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	36.7	35.3	34.4	33.7	33.1	32.5	31.7	31.3	30.9	30.3
2	33.3	32.3	31.7	31.2	30.9	30.6	30.3	30.1	30.1	30.0
3	31.2	31.1	30.9	30.7	30.5	30.4	30.2	30.1	30.1	30.0
4	30.9	30.8	30.7	30.5	30.4	30.3	30.1	30.1	30.0	30.0
5	31.2	31.0	30.9	30.7	30.5	30.3	30.2	30.1	30.1	30.0
6	33.4	32.9	32.3	31.7	31.1	30.8	30.4	30.2	30.1	30.0
7	37.1	36.7	36.2	35.6	35.3	34.6	33.5	32.9	32.6	31.8
8	39.2	37.5	36.1	35.0	34.1	33.3	32.5	31.8	31.5	31.3
9	36.6	35.6	34.9	34.4	33.9	33.4	32.6	32.6	32.3	31.6
10	38.7	36.7	35.3	34.4	33.7	33.0	32.3	31.7	31.5	31.1
11	37.5	36.0	35.1	34.5	34.0	33.5	32.9	32.6	32.5	31.7
12	41.6	42.0	39.0	38.2	37.4	36.6	35.5	34.7	34.3	33.8
13	39.9	38.5	37.4	36.6	35.8	35.1	34.1	33.4	32.9	32.1
14	42.2	41.4	38.9	37.7	36.8	35.9	35.1	34.4	34.1	33.7
15	45.0	42.7	42.9	39.3	38.1	37.0	35.7	34.9	34.3	33.8
16	42.8	42.4	38.6	37.3	36.3	35.5	34.7	34.1	33.9	33.1
17	50.6	47.1	44.5	42.2	40.2	38.3	36.3	35.0	34.3	33.2
18	55.2	52.0	49.5	45.5	41.1	38.0	35.7	34.5	34.0	33.1
19	45.8	43.4	41.6	40.3	38.9	37.3	35.6	34.5	34.0	32.9
20	56.3	53.9	49.4	45.2	41.5	39.1	37.1	36.0	35.3	34.3
21	43.8	42.2	40.9	39.8	38.9	37.9	36.9	36.3	35.7	35.1
22	41.3	40.2	39.3	38.5	37.7	36.9	35.9	35.3	35.1	34.2
23	38.6	37.6	37.3	36.8	36.3	35.7	35.2	34.6	34.3	33.9
24	37.5	36.9	36.3	35.7	35.2	34.5	33.8	33.1	32.7	32.0

FIGURE 8-103(b). HOURLY NOISE DATA FOR SEATTLE SITE 1501



	DAY '.'.	NIGHT ",","	WEIGHTING	WEIGHTED LEQ
MAX	91.3	88.8	0.	52.8
MIN	30.0	30.2	8.	54.6
NPL	75.3	59.4	10.	55.6
SIG	8.2	4.9	12.	56.7
LEQ	58.4	47.0		
TNI	89.0	35.2		
L1	66.2	54.6		
L3	61.0	47.		
L5	58.9	43.3		
L10	55.2	39.8		
L20	48.3	37.0		
L30	43.8	35.8		
L40	41.1	34.5		
L50	39.3	33.2		
L60	37.8	31.9		
L70	36.6	31.		
L80	35.3	32.7		
L90	34.0	32.4		
L95	33.1	32.2		
L97	32.7	32.		
L99	31.8	30.8		

FIGURE B-103(c). DAY/NIGHT NOISE DATA FOR SEATTLE SITE 1501



L_{DN}:	55.1	dB
ρ:	1,600	people / sq.mi.

SITE: 1502

Address: 8605 NE 139th
Seattle, WA

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-104(a). DESCRIPTION OF SEATTLE SITE 1502

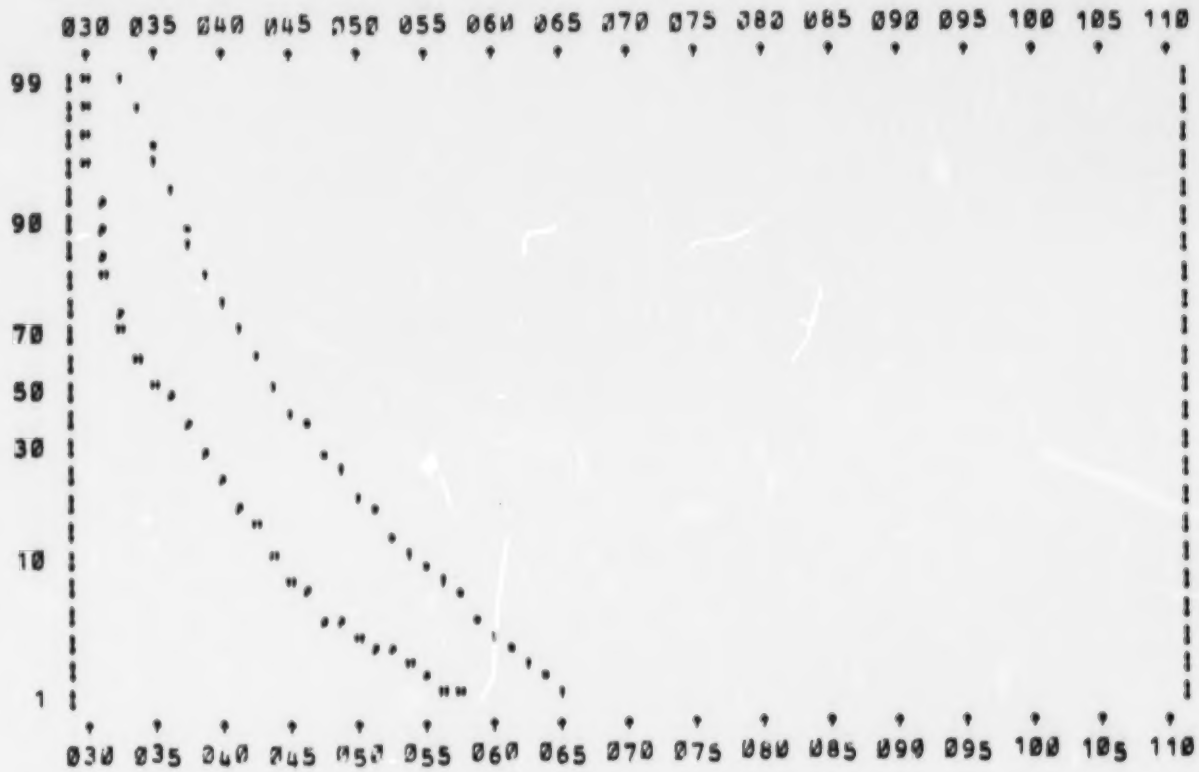
SITE # 1502

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	66.3	30.0	51.6	4.1	41.2	35.2	52.6	48.2	43.9	40.7	38.7
2	70.0	30.0	58.5	5.6	44.3	40.9	57.7	53.6	47.4	40.7	37.4
3	68.8	30.0	53.9	4.3	42.9	38.3	53.4	43.6	40.7	37.9	35.4
4	56.3	30.0	39.3	2.3	33.6	18.5	39.9	37.4	36.2	34.8	33.3
5	71.3	30.0	53.1	4.1	42.5	28.5	52.4	44.0	40.4	37.4	35.1
6	71.3	32.0	57.4	4.9	45.0	37.5	56.2	50.3	43.1	40.6	38.9
7	68.8	32.5	57.6	4.1	47.1	39.6	60.2	53.5	49.2	46.2	44.9
8	86.3	35.0	77.2	7.2	58.8	69.9	72.0	63.7	59.6	53.6	47.6
9	73.8	31.3	66.6	6.9	50.9	70.7	64.3	59.3	56.1	51.2	44.6
10	48.8	31.3	46.6	3.0	38.9	34.8	47.5	45.0	43.8	41.8	39.3
11	88.8	30.0	75.6	8.4	54.1	87.6	65.5	60.5	58.0	53.8	48.6
12	87.5	31.3	78.5	8.2	57.5	92.9	69.6	65.5	63.0	59.0	53.7
13	88.8	32.0	75.2	7.6	55.8	82.0	68.0	62.4	59.8	55.4	50.4
14	83.8	32.5	73.5	6.9	55.8	77.3	68.2	62.8	60.0	56.0	51.1
15	78.8	31.3	74.2	7.5	55.1	81.3	68.4	62.6	59.8	55.9	51.1
16	78.8	32.5	66.7	6.2	50.9	64.8	62.8	58.9	56.1	51.2	46.5
17	83.8	32.5	67.0	6.1	51.3	65.2	63.3	59.3	56.6	51.6	46.6
18	83.8	35.0	64.9	4.9	52.2	56.7	62.3	58.7	56.7	52.6	48.7
19	82.5	33.8	68.8	5.2	55.5	60.2	66.3	60.8	58.4	54.6	51.0
20	82.5	35.0	68.6	5.4	54.8	68.6	65.4	61.4	59.5	57.0	54.3
21	86.3	35.0	64.4	4.3	53.3	53.0	61.7	57.6	55.6	52.8	50.5
22	70.0	33.8	62.2	4.8	49.8	52.3	62.6	57.4	54.2	50.3	47.5
23	71.3	33.0	65.1	6.0	49.8	55.8	64.0	57.9	53.6	48.1	44.7
24	72.5	30.0	64.0	6.2	48.7	54.1	62.3	56.8	53.3	46.7	42.1

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	37.6	36.8	36.1	35.4	34.6	33.7	32.6	31.8	31.4	30.6
2	36.0	34.8	33.9	32.9	32.0	31.2	30.6	30.3	30.2	30.1
3	34.1	33.2	32.3	31.6	31.1	30.7	30.4	30.2	30.1	30.0
4	32.4	31.6	31.1	30.9	30.7	30.5	30.4	30.1	30.1	30.0
5	33.8	33.0	32.3	31.7	31.1	30.8	30.6	30.2	30.1	30.0
6	37.9	37.0	36.0	34.9	33.9	32.9	31.7	30.9	30.5	30.2
7	44.1	43.3	42.5	41.8	41.0	40.0	38.5	37.4	36.8	36.1
8	44.4	43.0	41.9	40.9	40.0	39.1	38.1	37.6	37.2	36.5
9	41.1	39.4	38.3	37.3	36.5	35.7	34.7	34.0	33.8	32.9
10	38.4	37.8	37.2	36.6	35.9	35.2	34.1	33.3	32.9	32.5
11	45.0	42.0	39.5	37.4	35.7	34.2	32.5	31.4	30.9	30.3
12	50.4	47.8	45.6	43.6	41.6	39.8	37.7	36.4	35.5	34.3
13	47.3	45.1	43.2	41.6	40.3	38.3	36.6	35.4	34.7	33.5
14	48.0	46.0	44.5	43.1	41.8	40.4	38.8	37.8	37.2	36.3
15	47.7	45.1	43.0	41.3	39.9	38.7	37.4	36.5	36.0	35.2
16	44.0	42.2	40.9	39.8	38.8	37.9	36.7	35.9	35.4	34.6
17	44.1	42.5	41.3	40.3	39.3	38.2	37.1	36.3	35.8	35.1
18	47.0	45.9	45.0	44.2	43.3	42.4	41.2	40.2	39.5	38.4
19	49.1	47.7	46.8	45.9	45.0	44.1	42.7	41.7	41.3	40.1
20	52.6	51.3	50.1	48.8	47.4	45.4	43.1	41.8	41.1	39.9
21	49.2	48.2	47.3	46.4	45.5	44.3	42.7	41.6	40.9	39.9
22	46.2	45.1	44.2	43.2	42.3	41.2	39.6	38.4	37.6	36.4
23	42.6	41.1	39.8	38.7	37.8	36.6	35.6	34.7	34.2	33.3
24	39.9	38.6	37.7	36.9	36.2	35.3	34.2	33.3	32.9	32.1

FIGURE B-104(b). HOURLY NOISE DATA FOR SEATTLE SITE 1502

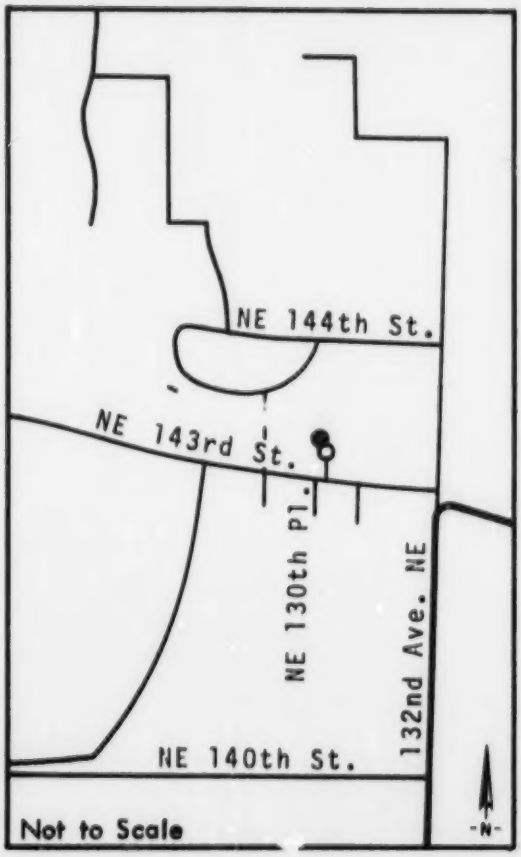
SITE # 1502



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	88.8	72.5	0.	53.0
MIN	30.0	30.0	8.	54.4
NPL	72.7	60.7	10.	55.1
SIG	7.0	5.9	12.	56.1
LEQ	54.7	45.7		
TNI	76.4	53.8		
L1	66.1	58.6		
L3	61.1	51.3		
L5	58.5	47.2		
L10	54.5	44.0		
L20	50.3	40.8		
L30	47.7	38.5		
L40	45.8	37.0		
L50	44.1	35.6		
L60	42.5	34.3		
L70	40.9	32.9		
L80	39.2	31.6		
L90	37.2	30.7		
L95	35.7	30.4		
L97	34.8	30.2		
L99	32.9	30.1		

FIGURE B-104(c). DAY/NIGHT NOISE DATA FOR SEATTLE SITE 1502



L_{DN}:	52.4	dB
ρ:	1,200	people / sq.mi.

SITE: 1503

Address: 14315 130th Pl.
Seattle, WA

Microphone Height: 1.5 m.

Distance to Curb: 6.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Local

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

FIGURE B-105(a). DESCRIPTION OF SEATTLE SITE 1503

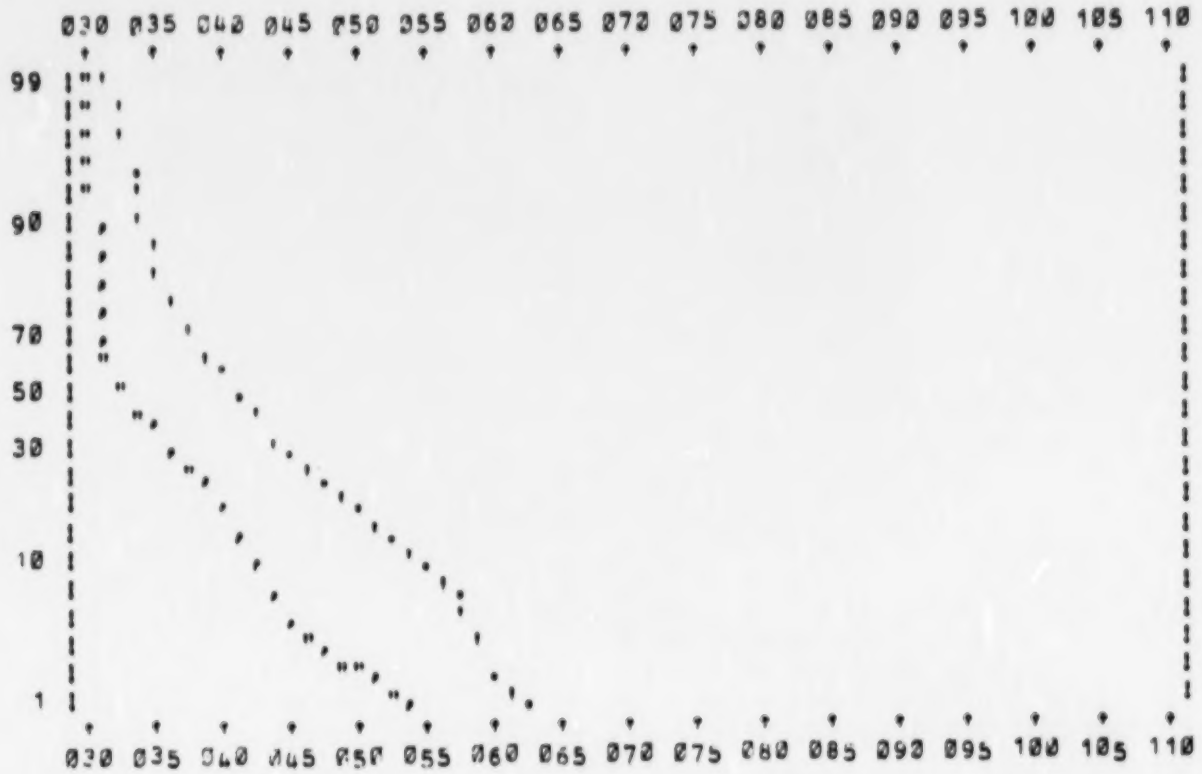
SITE # 1503

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	56.3	30.0	45.3	3.6	36.0	27.3	47.6	43.8	40.8	37.0	34.1
2	58.8	30.0	52.1	4.8	39.9	21.5	54.2	50.0	44.2	35.5	32.0
3	60.0	30.0	46.3	3.6	37.0	18.5	50.0	42.9	39.4	34.8	31.9
4	51.3	30.0	34.2	1.1	31.3	5.0	35.7	33.6	32.7	31.4	31.1
5	56.3	30.0	45.6	3.5	36.7	30.1	47.6	42.3	40.6	37.9	35.9
6	68.8	30.0	53.9	4.1	43.3	40.9	55.6	48.4	45.6	43.4	41.7
7	63.8	33.8	51.5	3.1	43.6	33.7	53.8	48.8	46.2	44.6	43.3
8	71.3	36.3	55.9	3.7	46.4	38.1	57.3	53.3	50.7	46.6	44.0
9	80.0	31.3	60.8	5.2	47.6	53.8	57.3	54.4	52.5	47.4	43.2
10	83.8	31.3	72.4	7.2	54.1	73.3	61.3	57.5	55.6	51.4	45.9
11	72.5	31.3	81.0	10.2	54.9	102.2	63.1	60.2	59.8	59.3	58.5
12											
13											
14	(Bulldozer in operation nearby)										
15											
16											
17											
18	72.5	30.0	68.9	6.6	51.9	78.7	61.6	58.4	57.1	55.2	52.7
19	81.3	30.0	69.3	7.1	51.1	74.0	63.3	57.7	54.8	51.1	46.9
20	88.8	30.0	79.1	8.4	57.6	90.4	69.8	63.1	60.0	56.6	52.4
21	81.3	31.3	63.7	5.9	48.7	63.7	57.8	54.6	52.7	49.7	45.6
22	75.0	30.0	68.5	7.0	50.5	63.0	64.9	59.5	54.4	47.9	42.2
23	78.8	30.0	59.3	5.6	45.1	49.2	59.5	52.2	48.5	43.8	38.6
24	66.3	30.0	60.2	6.0	44.9	45.7	60.1	52.6	48.0	41.7	36.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	32.6	31.6	31.1	30.9	30.7	30.4	30.2	30.1	30.1	30.0
2	31.2	31.0	30.8	30.7	30.5	30.3	30.2	30.1	30.0	30.0
3	31.1	31.0	30.9	32.7	30.5	30.3	30.2	30.1	30.0	30.0
4	31.0	30.8	30.7	30.6	30.4	30.3	30.1	30.1	30.0	30.0
5	34.6	33.9	33.2	32.5	31.7	31.1	30.5	30.3	30.2	30.1
6	40.7	39.9	39.1	38.3	37.5	36.1	34.3	33.2	32.7	31.8
7	42.4	41.8	41.2	40.6	40.0	39.2	38.3	37.6	37.1	36.4
8	43.1	42.4	42.0	41.5	41.0	40.3	39.4	38.8	38.2	37.6
9	41.6	40.5	39.6	38.9	38.1	37.1	35.3	34.2	33.7	32.8
10	41.7	39.2	37.6	36.5	35.7	34.9	34.0	33.4	33.0	32.6
11	57.7	48.5	42.8	39.0	37.2	36.1	35.1	34.2	33.9	33.0
12										
13										
14	(Bulldozer in operation nearby)									
15										
16										
17										
18	51.1	49.7	48.5	47.3	45.3	42.3	37.3	34.3	33.1	31.7
19	44.1	41.8	39.9	38.2	36.7	35.2	33.5	32.3	31.6	30.6
20	49.4	47.0	44.5	42.1	39.7	37.4	35.3	34.2	33.6	32.6
21	42.8	40.6	39.3	38.0	37.2	36.2	35.0	34.2	33.9	33.0
22	39.1	37.3	36.1	35.2	34.4	33.7	32.8	32.3	31.8	31.3
23	36.8	35.8	34.9	34.0	33.3	32.7	31.9	31.5	31.3	30.5
24	34.9	33.6	32.7	31.8	31.1	30.8	30.4	30.2	30.1	30.0

FIGURE B-105(b). HOURLY NOISE DATA FOR SEATTLE SITE 1503

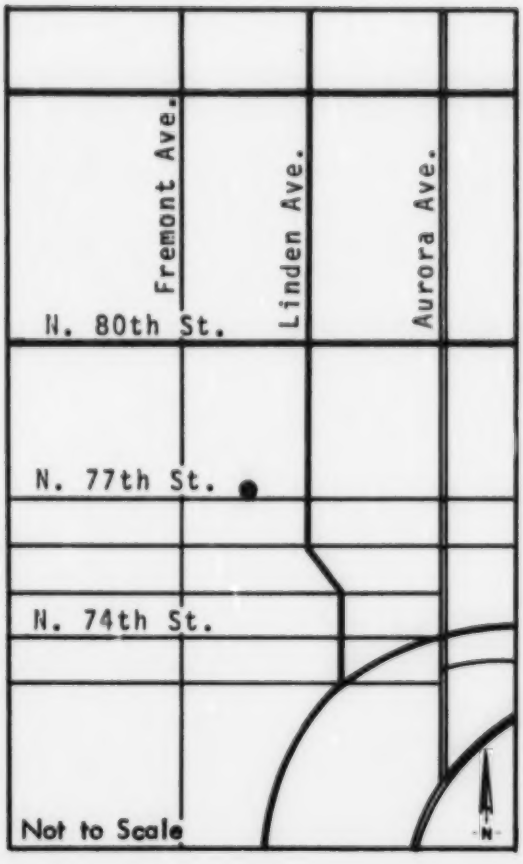
SITE # 1503



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	88.8	78.8	0.	50.9
MIN	32.0	30.0	8.	51.9
NPL	72.2	55.4	10.	52.4
SIG	7.6	5.4	12.	53.2
LEQ	52.8	41.7		
TNI	83.4	47.6		
L1	63.1	54.0		
L3	59.3	47.2		
L5	58.2	44.6		
L10	54.2	42.1		
L20	49.1	39.4		
L30	45.3	36.6		
L40	42.6	34.3		
L50	40.9	32.7		
L60	39.2	31.3		
L70	37.5	30.9		
L80	36.0	30.6		
L90	34.4	30.3		
L95	33.5	30.2		
L97	32.9	30.1		
L99	31.8	30.0		

FIGURE B-105(c). DAY/NIGHT NOISE DATA FOR SEATTLE SITE 1503



L_{DN}:	53.2	dB
ρ:	12,700	$\frac{\text{people}}{\text{sq.mi.}}$

SITE: 1504

Address: 734 N. 77th.
Seattle, WA

Microphone Height: 1.5 m.

Distance to Curb: 11.0 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-106(a). DESCRIPTION OF SEATTLE SITE 1504

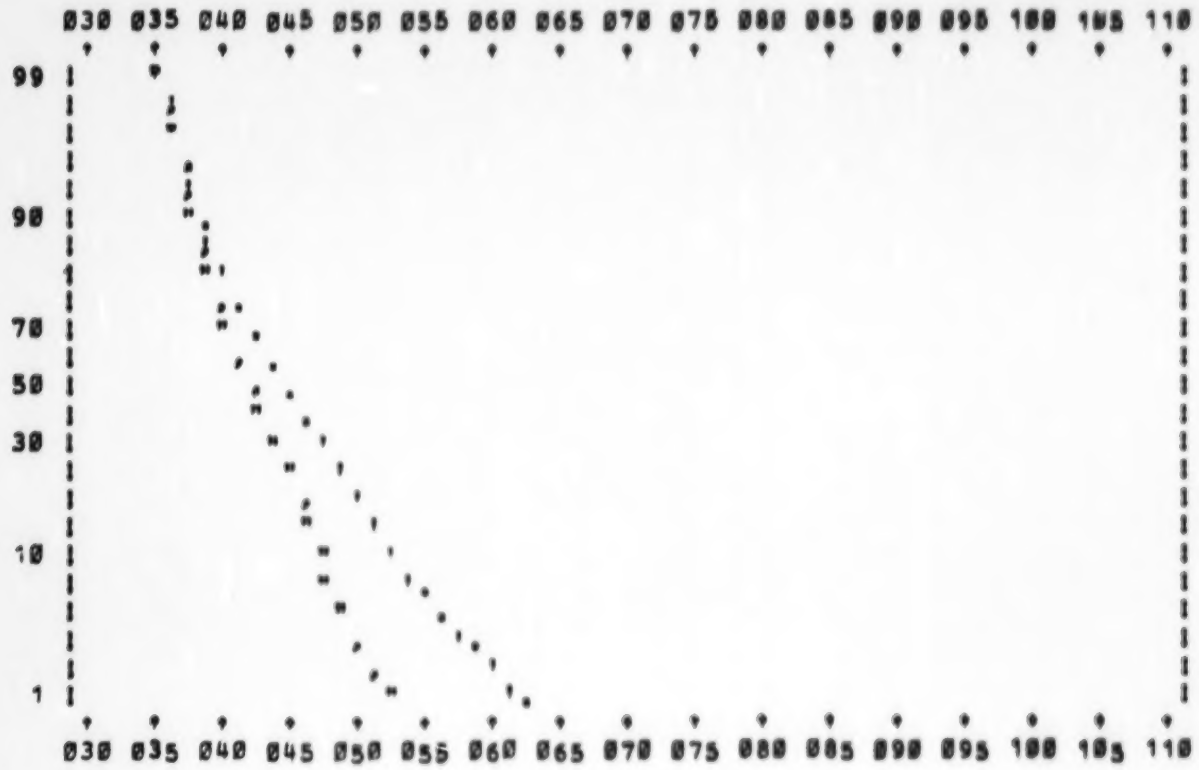
SITE # 1504

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	65.0	36.3	54.2	3.4	45.5	36.4	54.9	53.5	52.2	46.8	44.3
2	57.5	35.0	46.5	2.0	41.3	28.3	47.1	45.3	44.5	43.3	42.1
3	67.5	33.8	48.5	2.6	41.8	30.1	49.4	45.5	44.4	43.2	41.9
4	55.0	32.5	49.8	3.2	41.7	30.4	49.5	47.2	46.0	44.5	42.9
5	57.5	33.8	48.1	2.7	41.1	33.6	48.7	46.2	45.0	43.5	42.0
6	57.5	33.8	51.4	3.5	42.4	42.1	50.0	47.6	46.0	45.5	44.1
7	65.0	38.8	53.9	2.4	47.0	37.3	54.3	51.0	50.1	49.4	48.6
8	66.3	40.0	57.0	3.0	49.2	42.3	58.1	54.7	52.9	51.2	49.9
9	78.0	40.0	72.2	6.1	56.6	68.2	78.0	64.6	61.7	56.7	50.4
10	81.3	32.5	67.0	6.3	51.0	68.0	63.4	56.7	53.0	51.5	47.0
11	73.0	33.0	61.1	5.2	47.9	56.9	58.9	55.1	52.9	49.4	45.9
12	76.3	33.0	69.0	6.6	52.1	70.1	63.2	61.0	59.7	55.9	50.2
13	75.0	33.0	64.2	5.6	50.0	63.7	61.3	57.7	55.3	52.0	48.6
14	75.0	36.3	66.2	5.1	53.2	63.4	64.2	60.3	58.1	55.4	53.3
15	70.0	33.0	61.1	5.0	48.4	58.7	58.4	55.0	53.5	51.1	49.4
16	71.3	37.5	58.7	3.6	49.4	46.7	58.3	54.6	53.1	51.6	50.4
17	82.5	33.0	67.2	5.9	52.1	63.7	65.4	58.7	55.6	52.2	48.1
18	73.0	33.0	59.6	4.9	47.1	58.1	57.3	54.5	53.1	50.5	47.3
19	86.3	33.0	71.7	6.5	55.1	74.9	66.2	61.3	58.9	55.9	52.1
20	81.3	33.0	74.0	7.1	55.0	83.4	67.0	63.6	61.3	58.1	54.6
21	73.0	33.0	59.2	4.7	47.2	51.2	58.1	53.7	51.6	48.6	45.5
22	85.0	38.0	60.3	3.2	52.2	39.4	56.3	53.1	51.6	49.4	47.5
23	80.0	40.0	54.6	2.5	48.1	37.0	54.7	52.1	50.9	49.4	48.1
24	70.0	37.5	53.7	3.0	46.0	38.4	54.2	50.0	49.1	47.7	46.2

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	43.4	42.0	42.3	41.9	41.4	40.9	40.2	39.7	39.2	38.7
2	41.4	40.9	40.5	40.0	39.5	39.0	38.3	37.0	37.6	36.9
3	41.1	40.5	39.9	39.4	38.9	38.2	37.5	36.7	36.4	35.4
4	41.9	41.0	40.0	39.2	38.3	37.6	36.6	35.0	35.4	34.6
5	41.0	40.3	39.7	39.1	38.4	37.0	36.0	36.1	35.6	35.1
6	43.0	41.7	0.0	39.0	38.2	37.5	36.6	36.0	35.5	35.1
7	48.1	47.7	47.2	46.7	46.2	45.2	43.5	42.6	42.1	41.5
8	49.0	48.3	47.7	46.9	46.1	45.2	44.2	43.4	42.0	41.9
9	47.5	46.2	45.3	44.7	44.1	43.6	42.9	42.5	42.1	41.5
10	45.3	43.6	42.2	40.0	39.0	37.4	36.0	35.2	34.0	34.1
11	43.9	42.4	41.2	40.2	39.2	38.2	36.9	36.0	35.5	35.1
12	47.1	45.2	43.0	42.0	40.7	39.6	38.5	37.0	37.4	36.4
13	46.0	44.3	43.1	42.1	41.1	39.0	38.2	37.2	36.6	35.7
14	51.4	50.1	49.2	48.2	46.6	44.5	42.7	41.7	41.3	40.2
15	48.0	46.3	44.9	43.6	42.1	40.3	38.6	37.7	37.1	36.4
16	49.4	48.4	46.9	45.7	44.0	44.1	43.2	42.6	41.9	40.2
17	45.4	43.7	42.5	41.5	40.6	39.6	38.4	37.7	37.2	36.0
18	45.4	43.9	42.5	41.2	40.2	39.1	38.0	37.2	36.7	36.3
19	49.1	47.2	45.7	44.4	42.9	41.3	39.6	38.5	37.0	36.7
20	52.5	50.6	48.7	46.6	44.5	42.2	39.7	38.1	37.5	36.4
21	43.6	42.3	41.2	40.2	39.4	38.6	37.7	36.9	36.5	35.7
22	46.7	46.1	45.6	45.1	44.5	43.9	42.7	41.8	41.4	40.5
23	47.3	46.7	46.1	45.5	45.0	44.3	43.6	42.9	42.7	41.9
24	45.1	44.3	43.6	42.9	42.3	41.6	40.8	40.3	40.1	39.3

FIGURE B-106(b). HOURLY NOISE DATA FOR SEATTLE SITE 1504

SITE # 1504



CUMULATIVE DISTRIBUTION

	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	86.3	80.0	0.	58.2
MIN	32.5	32.5	8.	52.2
NPL	66.5	54.7	10.	53.2
SIG	5.8	3.9	12.	54.4
LEQ	51.7	44.8		
TNI	65.9	47.4		
L1	62.5	53.2		
L3	58.3	49.9		
L5	55.9	49.0		
L10	52.9	47.7		
L20	49.8	45.9		
L30	47.9	44.4		
L40	46.2	43.1		
L50	44.8	42.1		
L60	43.5	41.1		
L70	42.0	40.2		
L80	40.4	39.1		
L90	38.6	37.8		
L95	37.5	36.9		
L97	36.7	36.4		
L99	35.6	35.4		

FIGURE B-106(c). DAY/NIGHT NOISE DATA FOR SEATTLE SITE 1504

L_{DN}:	51.0	dB
ρ:	7,300	people / sq.mi.

SITE: 1505

Address: 3022 NE 89th
Seattle, WA

Microphone Height: 1.5 m.

Distance to Curb: 6.4 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

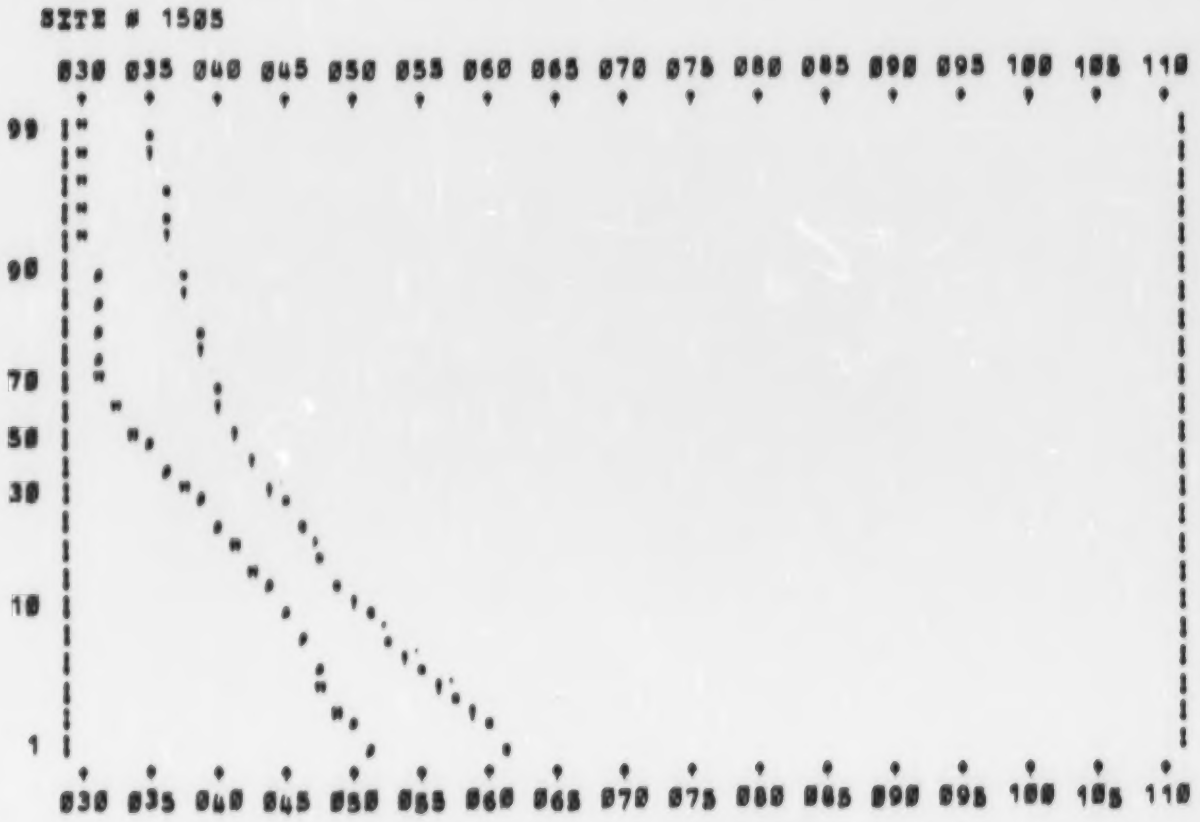
FIGURE B-107(a). DESCRIPTION OF SEATTLE SITE 1505

SITE # 1505

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	58.8	30.0	49.9	4.1	39.5	37.0	52.4	46.3	43.6	40.7	38.0
2	63.8	30.0	42.3	2.7	35.4	23.5	42.5	39.3	38.0	36.2	34.7
3	66.3	30.0	41.3	2.2	35.6	14.2	39.9	36.8	35.4	33.7	32.3
4	48.8	30.0	37.2	1.9	32.3	16.2	39.2	36.7	35.8	34.2	32.3
5	63.8	30.0	41.5	2.2	35.3	11.2	39.4	35.7	34.5	32.9	31.4
6	57.5	30.0	51.7	4.7	39.6	47.9	49.2	45.1	43.8	42.4	40.8
7	72.5	37.5	55.0	2.9	47.4	39.1	55.4	51.7	50.5	48.9	47.7
8	73.8	38.8	63.7	4.5	52.2	56.3	63.8	60.5	58.7	54.8	50.8
9	70.0	32.5	56.5	4.4	45.3	45.6	56.2	51.8	49.4	46.3	43.2
10	77.5	32.5	70.4	7.1	52.3	73.9	65.5	60.2	57.3	52.6	47.4
11	72.5	31.3	66.3	6.5	49.6	70.1	62.2	57.4	55.0	51.5	47.4
12	76.3	32.5	64.5	5.9	49.4	65.4	59.6	56.3	54.1	50.9	46.3
13	72.5	32.5	60.7	5.2	47.5	52.8	59.6	55.6	52.2	48.1	44.7
14	60.0	37.5	54.8	3.5	45.9	45.8	53.6	51.4	50.7	49.2	47.2
15	70.0	35.0	53.2	3.6	44.1	42.0	53.2	49.9	48.5	46.4	44.1
16	77.5	35.0	63.4	5.0	50.5	53.7	60.6	56.3	53.6	49.7	45.9
17	83.8	33.8	64.7	5.4	50.9	61.4	61.6	58.1	55.9	51.8	47.8
18	73.8	36.3	63.0	5.1	49.9	57.0	61.7	56.7	54.5	51.1	47.7
19	76.3	33.8	65.6	5.8	50.7	64.3	62.2	58.0	55.6	51.8	48.0
20	86.3	33.8	65.4	5.6	51.1	59.1	63.1	58.1	54.8	50.6	46.2
21	76.3	33.8	63.5	5.5	49.6	55.1	62.8	57.4	53.9	49.3	45.8
22	86.3	33.8	64.1	4.9	51.6	49.3	59.7	55.4	52.2	48.2	45.4
23	68.8	32.5	54.4	3.9	44.3	40.7	55.9	51.1	48.4	45.3	42.9
24	83.8	31.3	54.8	3.8	45.1	36.3	52.8	46.3	44.6	42.2	39.7

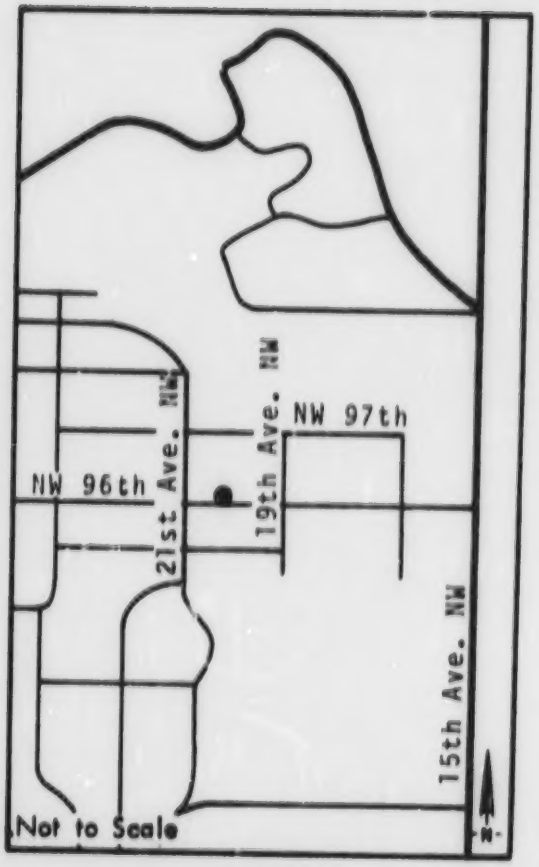
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	36.3	35.3	34.6	34.0	33.4	32.8	32.0	31.5	31.3	30.4
2	33.6	33.0	32.3	31.9	31.4	31.0	30.5	30.2	30.1	30.0
3	31.4	31.1	30.9	30.7	30.5	30.4	30.2	30.1	30.1	30.0
4	31.3	31.1	30.9	30.7	30.5	30.4	30.2	30.1	30.1	30.0
5	31.1	31.0	30.8	30.6	30.5	30.3	30.2	30.1	30.0	30.0
6	39.6	38.7	37.5	35.4	32.6	31.2	30.6	30.3	30.2	30.1
7	46.9	46.2	45.6	45.0	44.3	43.4	42.2	41.4	40.8	40.1
8	48.4	47.7	47.2	46.7	46.3	45.5	44.2	42.8	41.9	40.9
9	41.4	40.4	39.6	39.0	38.3	37.6	36.6	35.5	34.8	34.0
10	44.8	41.6	40.0	38.7	37.8	36.8	35.5	34.8	34.3	33.9
11	44.4	42.1	40.3	38.9	37.6	36.5	35.3	34.5	34.1	33.5
12	43.5	41.5	40.1	39.1	38.1	37.1	36.0	35.4	35.2	34.5
13	42.5	41.1	40.0	39.2	38.5	37.7	36.6	35.7	35.3	34.4
14	45.7	44.6	43.5	42.6	41.8	41.1	40.4	39.9	39.4	38.8
15	42.6	41.6	40.8	40.1	39.4	38.7	37.8	37.2	36.8	36.4
16	44.1	43.0	42.1	41.2	40.5	39.6	38.4	37.6	37.1	36.4
17	46.3	45.1	43.8	42.6	41.4	40.2	38.6	37.7	37.2	36.4
18	45.6	44.0	42.8	41.8	40.9	40.1	39.2	38.7	38.2	37.7
19	45.7	44.0	42.6	41.4	40.2	38.9	37.6	36.7	36.3	35.5
20	44.2	42.8	41.7	40.7	39.8	38.9	37.8	37.0	36.6	36.0
21	43.8	42.3	41.2	40.3	39.4	38.4	37.4	36.5	36.1	35.3
22	43.3	41.8	40.8	40.0	39.3	38.6	37.9	37.5	37.0	36.5
23	41.6	40.7	39.9	39.2	38.6	37.8	36.9	36.3	35.8	35.1
24	38.3	37.4	36.7	36.1	35.6	35.0	34.2	33.8	33.3	32.7

FIGURE B-107(b). HOURLY NOISE DATA FOR SEATTLE SITE 1505



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	86.3	83.8	0.	48.5
MIN	31.3	30.0	0.	58.1
MPL	64.7	56.6	10.	51.8
SIG	5.7	5.7	12.	52.8
LEQ	58.1	42.1		
TNI	59.9	57.6		
L1	61.7	51.7		
L3	57.2	48.2		
L5	54.4	46.9		
L10	50.4	44.7		
L20	47.0	40.9		
L30	44.9	38.4		
L40	43.1	36.2		
L50	41.7	34.4		
L60	40.5	32.6		
L70	39.5	31.3		
L80	38.5	30.8		
L90	37.2	30.4		
L95	36.3	30.2		
L97	35.6	30.1		
L99	34.5	30.0		

FIGURE B-107(c). DAY/NIGHT NOISE DATA FOR SEATTLE SITE 1505



L_{DN}:	54.7	dB
ρ:	5,500	people / sq. mi.

SITE: 1506

Address: 1928 NW 97th St.
Seattle, WA

Microphone Height: 1.5 m.

Distance to Curb: 11.9 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

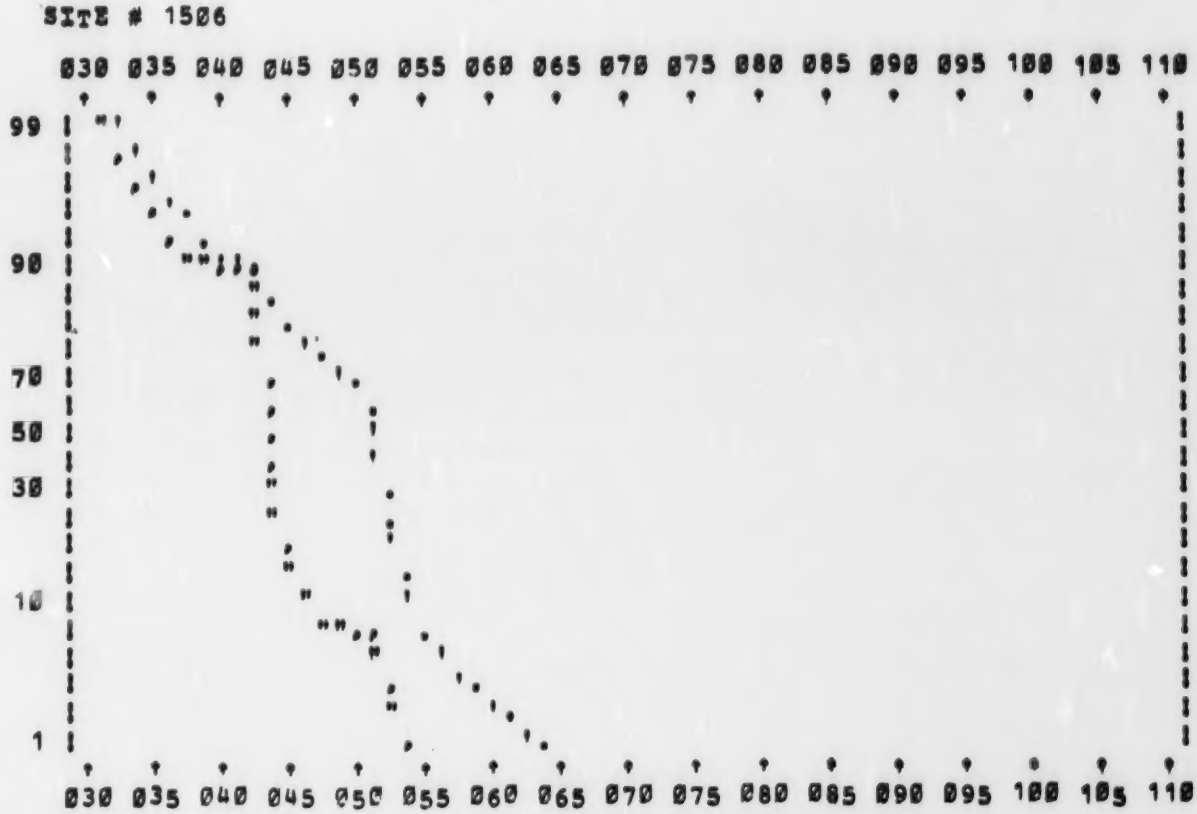
FIGURE B-108(a). DESCRIPTION OF SEATTLE SITE 1506

SITE # 1506

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	57.5	41.3	49.4	1.8	44.8	25.8	52.0	49.9	48.5	46.0	44.9
2	56.3	40.0	46.4	1.0	43.8	21.3	48.0	46.1	45.4	44.8	44.4
3	70.0	41.3	47.8	1.2	44.7	21.1	47.5	45.9	45.0	44.8	44.4
4	46.3	41.3	44.5	0.4	43.3	18.7	44.9	44.8	44.6	44.2	43.7
5	50.0	41.3	45.3	0.7	43.5	20.4	46.1	45.2	44.9	44.6	44.0
6	75.0	30.0	57.4	5.5	43.4	52.6	52.8	48.4	45.2	44.4	43.6
7	76.3	30.0	72.2	8.7	50.1	81.3	56.1	53.7	53.6	53.2	52.4
8	73.8	50.0	59.4	2.1	54.1	30.3	65.5	57.0	54.7	53.7	53.3
9	70.0	48.8	54.5	0.9	52.2	30.0	55.0	54.1	53.7	53.3	52.5
10	71.3	48.8	55.8	1.3	52.5	29.7	57.1	53.8	53.6	53.1	52.5
11	83.8	50.0	61.0	2.4	54.8	34.9	65.1	59.5	57.2	54.8	53.5
12	88.8	50.0	68.8	3.9	58.9	47.0	71.3	64.9	62.0	57.7	54.6
13	81.3	48.8	62.2	2.7	55.2	38.8	66.2	59.6	57.5	55.2	53.4
14	78.8	48.8	60.9	2.6	54.3	40.9	63.8	60.4	58.5	55.9	53.6
15	72.5	48.8	58.6	2.0	53.3	36.1	60.0	57.3	56.0	54.3	53.1
16	66.3	30.0	61.6	5.8	46.7	62.4	58.5	54.1	52.3	48.9	44.5
17											
18	78.8	30.0	72.6	7.5	53.5	77.7	66.6	60.2	55.8	52.2	48.9
19	78.8	30.0	75.9	8.5	54.1	94.7	66.7	62.8	60.4	56.5	51.9
20	77.5	40.0	61.4	3.7	51.9	49.6	60.5	57.0	55.5	53.2	51.2
21	82.5	40.0	64.6	4.2	53.8	47.8	64.3	58.1	55.6	52.5	50.1
22	76.3	41.3	57.1	3.1	49.2	36.1	58.4	52.9	50.7	48.6	46.9
23	66.3	41.3	52.1	2.4	45.9	31.3	54.9	51.2	49.6	47.4	45.8
24	75.0	41.3	52.4	2.3	46.6	28.8	54.5	50.0	48.5	46.8	45.1

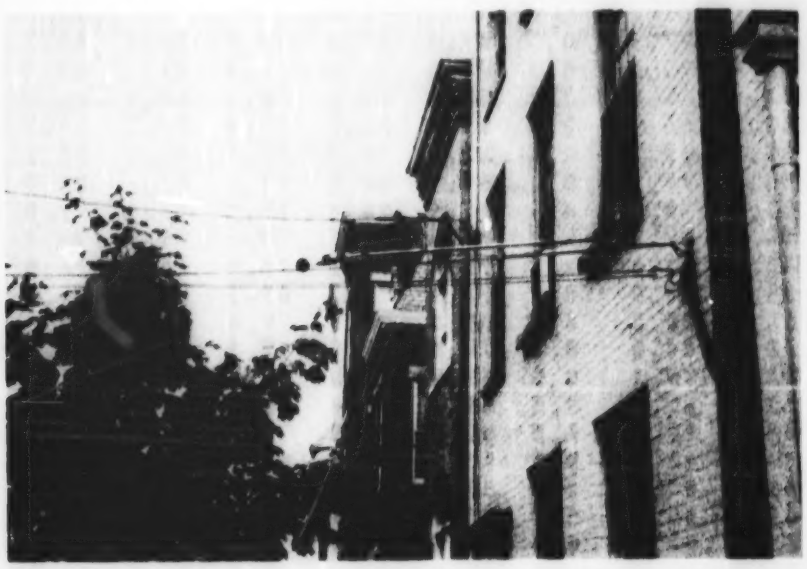
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	44.5	44.2	43.9	43.6	43.3	43.0	42.8	42.6	42.6	42.5
2	43.9	43.6	43.4	43.2	43.1	42.9	42.7	42.6	42.5	42.3
3	44.1	43.7	43.5	43.3	43.1	42.9	42.7	42.6	42.6	42.5
4	43.5	43.4	43.2	43.1	42.9	42.8	42.6	42.6	42.5	42.5
5	43.7	43.5	43.3	43.2	43.0	42.8	42.7	42.6	42.5	42.5
6	43.3	43.0	42.7	39.2	35.4	33.4	31.6	30.8	30.5	30.2
7	51.9	51.5	39.4	36.6	35.6	34.8	33.8	32.9	32.5	31.6
8	52.9	52.6	52.3	52.1	51.9	51.7	51.5	51.3	51.3	51.3
9	52.3	52.1	52.0	51.8	51.6	51.4	51.1	50.5	50.3	50.1
10	52.3	52.1	51.9	51.7	51.6	51.4	50.9	50.5	50.3	50.1
11	53.1	52.7	52.4	52.1	51.9	51.6	51.4	51.3	51.0	50.3
12	53.4	52.8	52.4	52.1	51.9	51.6	51.3	50.9	50.5	50.2
13	52.5	52.3	52.0	51.8	51.6	51.3	50.7	50.4	50.2	50.1
14	53.0	52.5	52.2	51.9	51.7	51.4	50.8	50.4	50.2	50.1
15	52.4	52.1	51.9	51.6	51.3	50.9	50.4	50.2	50.1	50.0
16	42.3	42.7	39.3	38.1	37.0	35.9	34.4	33.3	32.6	31.4
17										
18	47.0	45.0	43.4	41.5	39.2	36.5	33.8	32.3	31.6	30.6
19	50.2	48.2	45.4	42.5	39.7	37.0	33.8	32.4	31.7	30.8
20	50.3	49.5	48.9	48.2	47.5	46.4	44.4	43.1	42.5	41.7
21	48.7	47.5	46.7	46.0	45.4	44.7	44.0	43.4	43.0	42.5
22	45.9	45.1	44.6	44.2	43.8	43.3	42.8	42.6	42.4	41.6
23	44.9	44.5	44.1	43.7	43.4	43.1	42.8	42.6	42.5	42.0
24	44.7	44.3	44.0	43.6	43.4	43.1	42.8	42.6	42.6	42.5

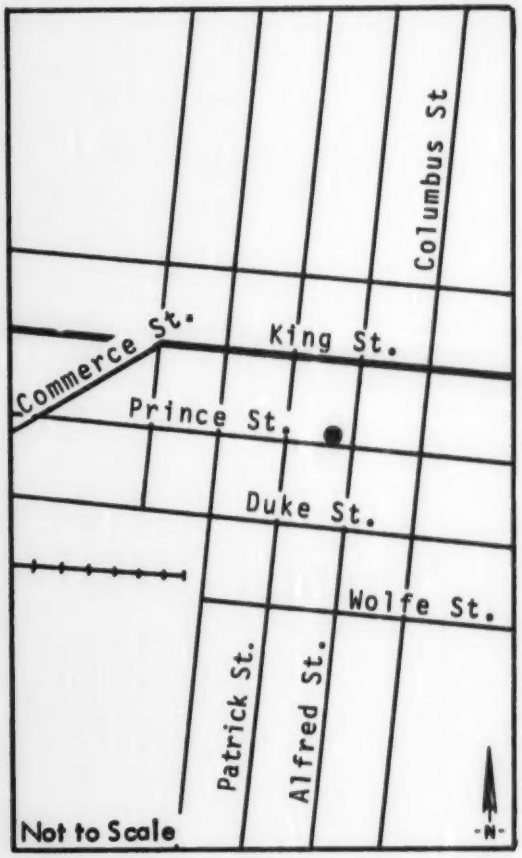
FIGURE B-108(b). HOURLY NOISE DATA FOR SEATTLE SITE 1506



	DAY '.'.	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	88.8	76.3	0.	52.3
MIN	30.0	30.0	8.	53.9
MPL	69.1	55.8	10.	54.7
SIG	5.9	3.9	12.	55.8
LEQ	54.0	45.7		
TNI	61.2	38.0		
L1	64.4	53.5		
L3	58.7	52.3		
L5	56.3	51.6		
L10	53.8	46.4		
L20	52.8	44.7		
L30	52.2	44.2		
L40	51.9	43.7		
L50	51.5	43.5		
L60	50.7	43.2		
L70	48.2	43.0		
L80	44.9	42.7		
L90	41.4	39.3		
L95	36.9	34.6		
L97	35.0	33.3		
L99	32.5	31.4		

FIGURE B-108(c). DAY/NIGHT NOISE DATA FOR SEATTLE SITE 1506





L_{DN}:	73.6 dB
ρ:	8,800 people/sq.mi.

SITE: 0101
Address: 905 Prince
Alexandria, VA
Microphone Height: 4.6 m.
Distance to Curb: 2.4 m.

ROADWAY TYPE
At Site: Collector
Vicinity: Arterial

TRAFFIC
At Site: Cars, Trucks
Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

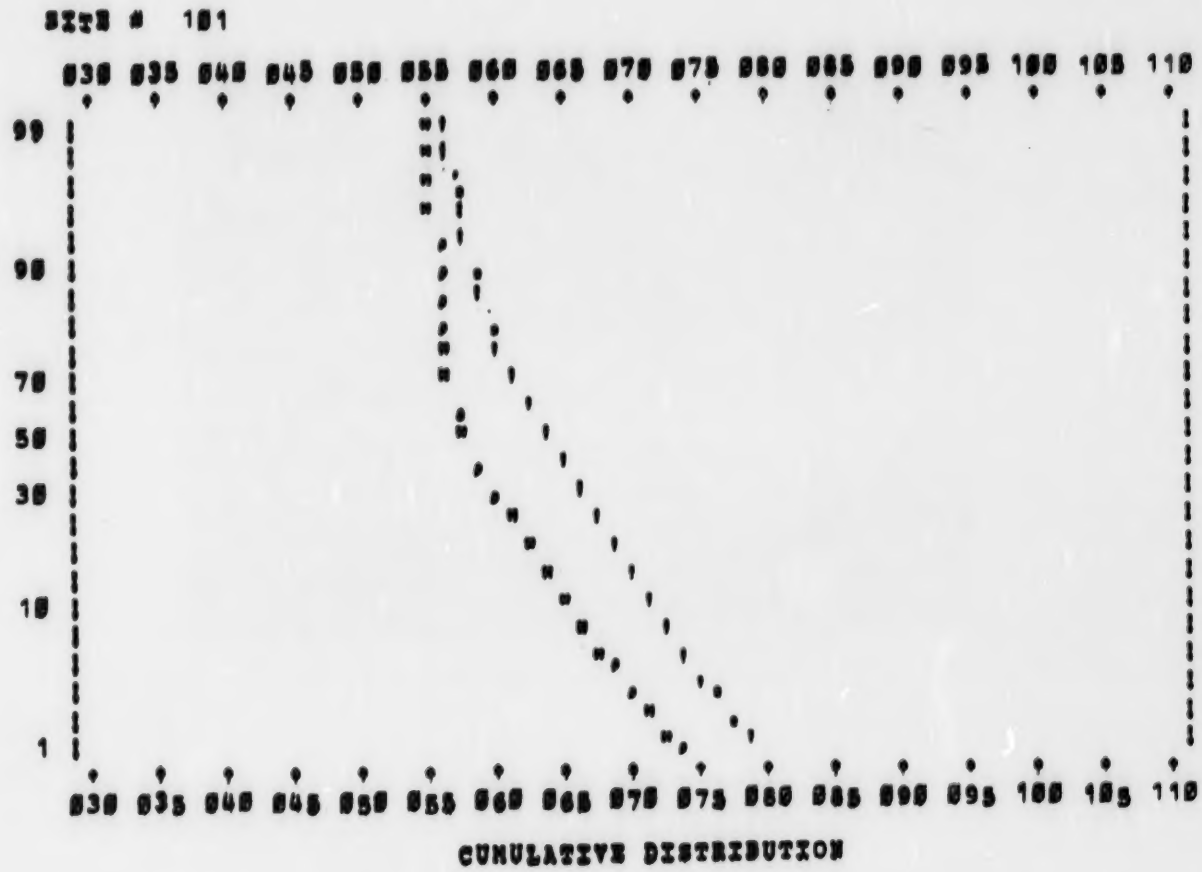
FIGURE B-109(a). DESCRIPTION OF WASHINGTON, D.C., SITE 0101

SITE # 101

HR	MAX	MIN	MPL	SIG	L90	TNI	L1	L3	L5	L10	L20
1	97.5	53.8	77.9	4.1	67.5	58.4	78.5	69.6	67.1	64.2	61.6
2	98.8	53.8	72.5	3.7	63.8	56.3	73.3	67.7	65.8	63.2	60.5
3	83.8	53.8	68.4	3.2	60.2	53.8	70.2	66.6	64.8	62.2	59.4
4	82.5	53.8	68.8	2.4	58.9	50.8	67.4	63.2	61.2	58.8	57.4
5	86.3	53.8	68.2	2.4	59.1	50.2	69.1	63.8	60.9	58.5	57.4
6	88.8	53.8	78.3	3.4	61.7	54.8	71.2	67.4	65.5	62.9	60.2
7	91.3	53.8	79.8	4.9	67.2	76.4	77.8	73.6	72.8	69.3	66.3
8	87.5	56.3	82.2	4.7	78.1	78.7	78.6	76.8	75.3	73.3	71.1
9	92.5	56.8	82.4	4.7	78.4	78.9	79.8	76.7	75.2	73.3	71.8
10	107.5	53.8	80.9	5.4	76.1	79.2	83.2	78.8	74.8	71.8	69.6
11	91.3	53.8	80.8	4.8	68.4	76.4	79.4	74.6	72.9	70.7	68.2
12	110.8	53.8	80.8	5.3	74.5	79.9	80.1	76.2	73.5	71.3	68.8
13	87.5	53.8	79.1	4.6	67.2	74.9	77.1	73.6	72.1	70.8	67.7
14	88.8	53.8	80.8	5.8	68.1	77.4	79.3	75.3	73.1	70.4	67.9
15	98.8	53.8	80.2	5.8	67.8	78.8	77.3	74.3	73.8	70.8	67.8
16	110.8	38.8	98.9	5.6	70.5	81.6	82.9	77.4	75.1	72.1	69.5
17	96.3	53.8	81.2	4.8	68.8	79.2	77.4	78.4	74.8	72.1	69.9
18	98.8	53.8	86.1	5.7	71.5	88.7	81.2	78.1	76.6	74.2	71.3
19	108.8	53.8	87.7	6.8	72.2	89.6	81.8	77.3	75.8	73.5	70.7
20	83.8	53.8	78.3	4.1	64.9	68.7	74.3	71.4	69.8	67.8	65.6
21	107.5	53.8	87.3	4.8	75.1	67.8	88.6	71.6	69.8	67.4	64.7
22	93.8	53.8	76.7	4.1	66.3	66.8	76.2	71.7	69.9	67.5	64.9
23	105.8	55.8	81.4	4.3	70.5	69.4	75.1	71.5	70.3	68.2	65.8
24	86.3	53.8	74.5	4.1	64.1	64.1	74.7	70.4	68.6	66.8	63.3

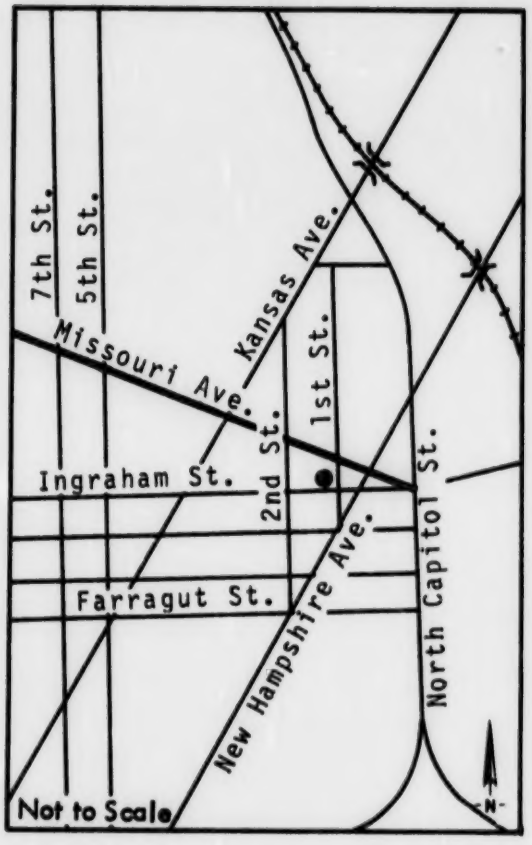
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	60.2	59.3	58.5	57.8	57.2	56.7	56.2	55.6	55.3	55.1
2	58.9	57.8	57.2	56.9	56.5	56.1	55.8	55.3	55.1	55.0
3	57.8	57.2	56.7	56.3	55.9	55.6	55.3	55.1	55.1	54.6
4	57.8	56.6	56.2	56.0	55.7	55.8	55.2	55.1	55.1	55.0
5	57.1	56.8	56.5	56.2	55.9	55.6	55.3	55.1	55.1	55.0
6	58.5	57.7	57.2	56.9	56.6	56.3	55.7	55.3	55.2	55.1
7	64.6	63.4	62.2	61.0	59.5	58.1	56.9	56.4	55.9	55.3
8	69.4	67.8	66.4	65.2	64.0	62.9	61.4	60.2	59.5	58.2
9	69.4	67.9	66.5	65.3	64.2	63.0	61.5	60.2	59.5	58.3
10	67.7	66.0	64.6	63.3	62.1	60.9	59.4	58.2	57.6	56.5
11	66.4	64.9	63.6	62.5	61.4	60.2	58.8	57.8	57.2	56.4
12	67.1	65.6	64.3	62.6	61.3	60.0	58.4	57.6	57.1	56.4
13	65.9	64.4	63.1	61.9	60.8	59.7	58.4	57.5	56.9	56.3
14	66.1	64.5	63.1	61.9	60.8	59.6	58.1	57.2	56.7	56.0
15	65.9	64.3	63.0	61.7	60.5	59.2	57.7	56.8	56.4	55.5
16	67.7	66.2	64.6	63.3	62.1	60.7	58.9	57.6	57.3	56.4
17	68.3	66.8	65.4	64.0	62.7	61.4	59.7	58.3	57.5	56.3
18	69.3	67.6	66.2	64.8	62.9	61.3	59.4	58.2	57.6	56.6
19	68.6	66.6	64.8	63.8	61.5	59.9	58.1	56.9	56.3	55.3
20	64.8	62.7	61.7	60.7	59.8	58.7	57.6	56.7	56.3	55.5
21	63.1	61.9	60.9	60.0	59.2	58.3	57.3	56.6	56.4	55.6
22	63.4	62.2	61.3	60.6	59.9	59.0	58.0	57.5	56.9	56.4
23	64.3	63.1	62.0	61.0	60.1	59.0	57.9	57.2	56.8	56.4
24	61.7	60.4	59.5	58.7	58.0	57.3	56.6	56.3	55.8	55.3

FIGURE B-109(b). HOURLY NOISE DATA FOR WASHINGTON, D.C., SITE 0101



	DAY '.'%	NIGHT '.'%	WEIGHTING	WEIGHTED LEQ
MAX	110.8	105.8	0.	70.6
MIN	35.8	53.8	8.	72.6
MPL	85.6	76.2	10.	73.6
SIG	5.3	4.2	12.	74.8
LEQ	72.1	65.3		
TNI	81.2	63.9		
L1	79.7	73.8		
L3	75.8	69.8		
L5	74.8	67.9		
L10	71.7	65.2		
L20	69.8	62.3		
L30	67.1	60.3		
L40	65.4	58.8		
L50	64.0	57.7		
L60	62.6	57.1		
L70	61.4	56.7		
L80	60.1	56.2		
L90	58.6	55.6		
L95	57.6	55.3		
L97	56.9	55.2		
L99	56.2	55.0		

FIGURE B-109(c). DAY/NIGHT NOISE DATA FOR WASHINGTON, D.C., SITE 0101



L_{DN}: 63.0 dB

ρ: 22,000 people/sq.mi.

SITE: 0102

Address: 101 Ingraham NW
Washington, D.C.

Microphone Height: 5.5 m.

Distance to Curb: 3.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

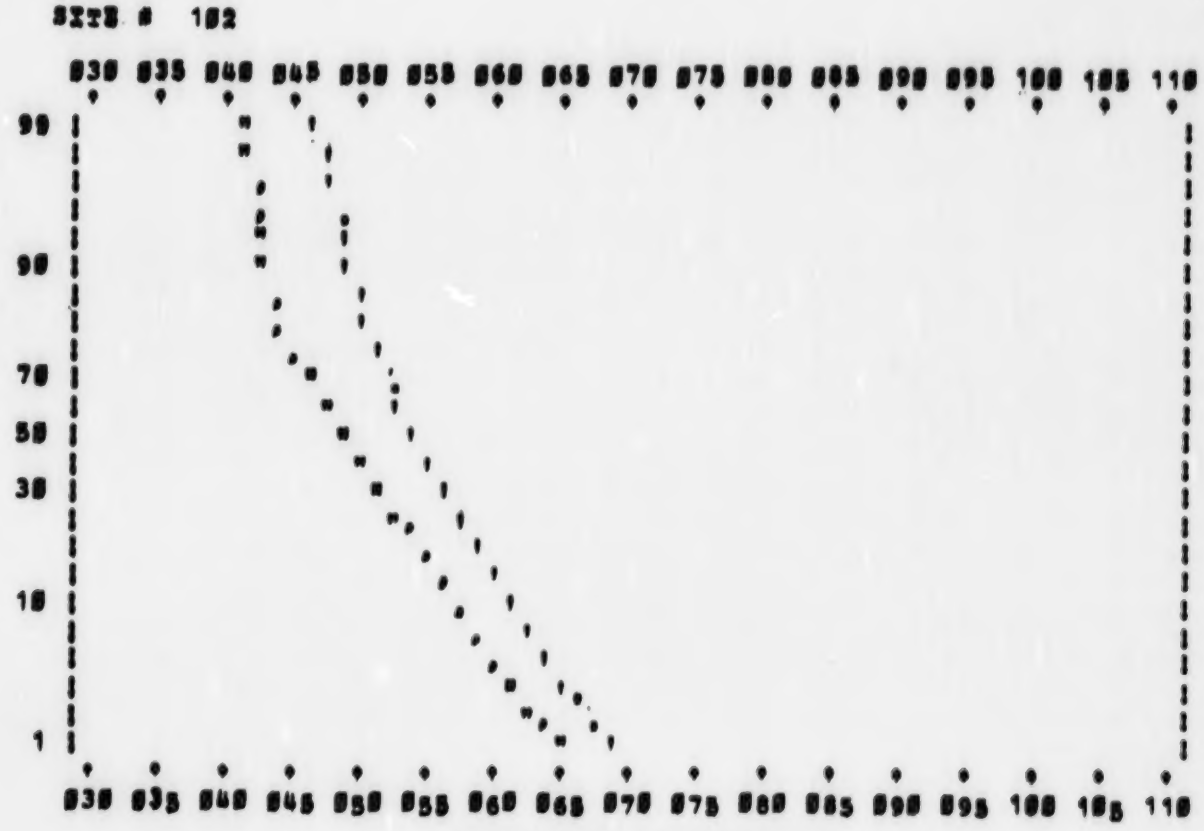
FIGURE B-110(a). DESCRIPTION OF WASHINGTON, D.C., SITE 0102

SITE # 102

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	88.8	41.3	65.1	4.2	54.4	46.6	61.4	56.8	53.8	51.2	48.6
2	75.8	48.8	54.8	3.8	47.1	35.5	56.7	52.6	50.8	48.1	45.4
3	73.8	48.8	60.2	4.1	49.8	44.5	61.7	56.3	53.4	50.8	46.1
4	72.5	48.8	61.9	4.2	51.1	38.4	62.4	57.3	54.8	52.2	49.8
5	88.8	46.3	69.8	4.2	59.8	57.5	67.2	62.7	60.8	58.5	56.3
6	87.5	46.3	69.7	4.3	58.7	64.8	66.1	65.2	63.6	61.5	58.9
7	83.8	45.8	71.2	4.8	59.4	63.9	70.2	65.6	63.4	60.7	57.9
8	83.8	45.8	75.1	5.4	61.3	71.1	71.6	67.1	64.8	61.9	58.7
9	78.8	43.8	71.3	5.8	58.5	66.4	70.4	66.2	63.6	60.3	57.3
10	73.8	45.8	67.5	4.3	56.4	62.8	66.6	63.8	62.8	59.4	56.6
11	82.5	43.8	69.5	4.6	57.7	63.1	68.4	64.4	62.3	59.5	56.4
12	80.8	43.8	69.2	4.7	57.1	67.1	66.9	63.7	62.2	60.4	57.4
13	81.3	45.8	70.1	4.7	58.8	64.8	68.7	65.7	63.5	60.4	57.2
14	96.3	46.3	76.8	4.9	63.5	66.7	69.9	65.9	64.8	61.3	58.3
15	98.8	45.8	74.2	5.8	61.3	70.8	70.2	66.3	64.7	62.3	59.3
16	83.8	47.5	72.4	4.6	60.7	68.4	70.8	67.8	65.7	63.5	61.8
17	85.8	47.5	71.8	4.3	59.9	65.4	69.6	66.4	65.8	62.8	60.3
18	90.8	47.5	73.1	4.3	62.8	62.7	71.8	66.6	64.9	62.5	60.2
19	91.3	47.5	72.1	4.4	60.8	66.4	70.7	67.6	66.8	63.5	60.6
20	78.8	47.5	68.3	3.9	58.3	59.6	68.1	65.8	63.5	61.1	58.6
21	73.8	47.5	68.8	4.3	57.7	61.1	68.4	65.7	63.5	60.5	57.7
22	75.8	45.8	62.8	3.1	54.1	46.8	63.4	60.1	58.6	56.1	53.8
23	75.8	48.8	61.2	3.1	53.2	44.8	62.6	59.2	57.4	54.8	52.8
24	83.8	45.8	60.9	3.8	53.2	48.2	61.1	57.4	55.2	52.6	50.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	47.1	45.7	44.7	44.1	43.6	43.2	42.7	42.5	42.1	41.5
2	44.5	43.9	43.5	43.3	43.8	42.7	42.3	41.8	41.6	41.3
3	44.6	43.8	43.4	43.1	42.8	42.4	41.8	41.5	41.4	41.3
4	48.7	48.8	46.9	45.3	44.2	43.5	42.8	42.5	42.8	41.5
5	54.6	53.5	52.5	51.5	50.6	49.7	48.9	48.2	47.9	47.6
6	57.3	56.1	55.8	54.1	53.1	51.9	50.5	49.5	49.1	48.3
7	56.3	55.3	54.3	53.4	52.3	51.1	49.7	48.8	48.2	47.6
8	56.7	55.8	53.7	52.6	51.5	50.3	48.9	47.9	47.5	46.6
9	55.4	54.8	52.9	51.8	50.8	49.6	48.3	47.4	46.8	46.3
10	55.8	53.9	52.9	51.9	51.8	49.9	48.5	47.7	47.2	46.5
11	54.6	53.3	52.3	51.4	50.5	49.8	48.3	47.6	47.1	46.4
12	55.3	53.8	52.6	51.5	50.5	49.3	48.1	47.3	46.8	46.1
13	55.2	53.9	52.9	51.9	51.8	50.1	49.8	48.1	47.7	46.9
14	56.5	55.1	54.8	53.8	52.8	50.9	49.5	48.8	48.2	47.6
15	57.5	56.1	54.9	53.7	52.5	51.3	49.6	48.5	48.8	47.2
16	59.3	58.8	56.8	55.6	54.5	53.3	51.9	50.8	50.3	49.3
17	58.7	57.3	56.2	55.3	54.4	53.3	52.8	51.8	50.4	49.4
18	58.7	57.5	56.5	55.6	54.8	53.9	52.5	51.4	50.7	49.8
19	58.8	57.5	56.5	55.7	54.8	53.8	52.5	51.5	51.8	50.1
20	57.8	55.9	54.9	54.2	53.4	52.6	51.6	50.8	50.4	49.9
21	55.9	54.3	53.3	52.4	51.7	51.8	50.3	49.7	49.3	48.9
22	52.8	52.1	51.4	50.9	50.4	49.8	49.2	48.8	48.4	47.8
23	51.7	50.9	50.2	49.7	49.3	48.8	48.1	47.7	47.5	46.7
24	49.8	49.2	48.6	48.2	47.8	47.3	46.7	46.4	46.3	45.8

FIGURE B-110(b). HOURLY NOISE DATA FOR WASHINGTON, D.C., SITE 0102



	DAY '.'.	NIGHT "."	WEIGHTING	WEIGHTED L8Q
MAX	96.3	88.8	0.	58.7
MIN	43.8	48.8	0.	61.7
MDL	72.3	76.1	10.	63.8
SIG	4.8	5.6	12.	64.5
L8Q	59.9	55.7		
TNI	67.5	69.8		
L1	69.3	68.7		
L3	65.8	61.7		
L5	64.1	59.8		
L10	61.5	57.1		
L20	58.7	54.2		
L30	56.8	52.1		
L40	55.4	50.4		
L50	54.3	49.2		
L60	53.2	48.0		
L70	52.1	46.8		
L80	50.9	43.8		
L90	49.5	42.9		
L95	48.5	42.5		
L97	47.8	42.0		
L99	46.8	41.5		

FIGURE B-110(c). DAY/NIGHT NOISE DATA FOR WASHINGTON, D.C., SITE 0102

L_{DN}:	62.4 dB
ρ:	7,200 $\frac{\text{people}}{\text{sq.mi.}}$

SITE: 0103

Address: 4444 N. 17th
Arlington, VA

Microphone Height: 1.5 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Local

Vicinity: Arterial

TRAFFIC

At Site: Cars

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

FIGURE B-111(a). DESCRIPTION OF WASHINGTON, D.C., SITE 0103

SITE # 103

HR	MAX	MIN	MPL	SIG	L90	THI	L1	L3	L5	L10	L20
1	70.8	50.8	61.2	1.6	57.1	39.7	62.8	59.8	59.2	58.8	57.9
2	71.3	51.3	61.5	1.8	57.8	39.6	62.3	60.0	59.6	59.0	58.4
3	70.8	48.8	61.2	1.7	56.8	42.1	59.9	59.4	58.9	58.5	58.0
4	62.5	48.8	58.1	1.2	55.1	35.1	57.6	57.3	57.0	56.3	55.9
5	67.5	38.8	63.6	4.6	51.8	59.5	57.3	56.6	56.0	55.2	53.9
6	67.5	37.5	52.6	2.7	48.8	37.1	52.3	49.7	48.7	47.7	46.6
7	72.5	38.8	59.2	3.9	49.2	47.4	59.7	56.2	54.8	53.8	48.3
8	77.5	41.3	60.3	3.7	50.9	43.5	61.6	56.2	53.8	50.9	48.7
9											
10	70.8	48.8	70.2	5.4	56.3	72.9	66.1	63.7	62.4	60.1	56.9
11	81.3	48.8	69.6	5.7	55.8	72.6	65.5	62.4	60.9	58.3	55.3
12	76.3	48.8	66.8	5.2	53.5	67.9	62.4	60.8	59.3	57.2	54.3
13	77.5	48.8	68.4	5.3	54.7	68.3	63.1	62.1	60.2	57.7	54.5
14	77.5	48.8	68.1	5.1	55.2	64.6	66.1	62.1	60.1	57.4	54.5
15	76.3	48.8	69.5	5.8	54.8	73.5	68.8	62.7	61.2	58.6	55.3
16	85.8	41.3	67.5	5.2	54.2	65.6	68.3	61.2	59.3	56.6	53.1
17	88.8	41.3	67.4	4.9	54.8	59.9	68.7	61.9	59.5	56.6	51.4
18	78.8	41.3	62.4	4.8	52.2	50.5	63.1	59.4	56.9	53.6	51.8
19	85.8	42.5	64.6	4.2	53.9	51.9	63.1	59.8	56.9	53.8	50.8
20	85.8	41.3	68.2	4.6	56.3	54.7	67.8	60.8	58.6	55.1	51.3
21	88.8	42.5	70.6	5.4	56.8	73.8	63.5	62.3	62.8	61.1	59.6
22	72.5	53.8	64.9	1.7	60.4	46.1	63.7	63.4	63.8	62.4	61.8
23	73.8	51.3	63.6	1.8	58.9	41.6	65.8	61.5	61.8	60.2	59.6
24	68.8	51.3	61.2	1.2	58.1	39.2	60.9	60.8	59.9	59.6	59.8

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	57.4	57.0	56.6	56.3	55.8	55.4	54.8	54.2	53.9	53.2
2	57.9	57.5	57.1	56.8	56.5	56.0	55.3	54.9	54.4	53.8
3	57.5	57.1	56.6	56.2	55.5	54.8	54.0	53.4	52.9	52.4
4	55.6	55.3	54.9	54.6	54.3	54.0	53.4	52.8	52.6	51.9
5	53.1	52.3	51.3	48.9	48.6	44.5	43.8	42.8	42.4	40.7
6	45.8	45.2	44.6	44.1	43.4	42.6	41.3	40.4	39.9	39.1
7	46.9	45.9	45.2	44.5	43.8	43.0	42.0	41.4	41.0	40.3
8	47.7	46.8	46.1	45.4	44.7	44.1	43.3	42.8	42.6	42.1
9										
10	54.6	52.9	51.3	49.9	48.5	47.3	45.9	45.0	44.3	43.4
11	53.1	51.8	49.3	47.7	46.3	45.0	43.5	42.7	42.3	41.5
12	52.2	50.3	48.9	47.6	46.3	44.9	43.6	42.9	42.6	41.7
13	52.2	50.4	48.9	47.7	46.6	45.5	44.1	43.1	42.7	41.8
14	52.5	51.0	49.7	48.4	47.3	46.4	45.0	44.0	43.5	42.7
15	52.0	50.0	49.0	47.3	45.9	44.7	43.6	42.9	42.6	41.0
16	50.9	49.3	48.1	46.9	45.8	44.6	43.5	42.9	42.7	42.0
17	49.5	48.2	47.3	46.5	45.7	45.0	44.2	43.0	43.3	42.7
18	49.7	48.7	47.9	47.2	46.4	45.5	44.6	44.1	43.8	43.1
19	49.2	48.1	47.2	46.5	45.8	45.2	44.5	44.0	43.8	43.2
20	49.5	48.3	47.5	47.0	46.5	45.9	45.2	44.7	44.3	43.8
21	56.7	53.5	51.5	50.4	49.3	48.3	47.0	46.1	45.4	44.5
22	61.2	60.5	59.9	59.4	59.0	58.4	57.0	57.5	57.0	56.4
23	59.2	58.8	58.4	58.0	57.7	57.1	56.4	55.6	55.2	54.2
24	58.6	58.3	58.0	57.7	57.3	56.8	56.4	55.7	55.4	55.0

FIGURE B-III(b). HOURLY NOISE DATA FOR WASHINGTON, D.C., SITE 0103

	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
			0.	55.8
MAX	80.8	73.8	8.	68.7
MIN	40.8	37.5	10.	62.4
NPL	78.4	78.4	12.	64.1
SIG	5.8	5.6		
LEQ	55.7	56.8		
TNI	75.7	72.7		
L1	64.7	61.1		
L3	62.4	59.9		
L5	61.6	59.6		
L10	59.7	58.7		
L20	56.2	58.8		
L30	52.9	57.3		
L40	50.7	56.6		
L50	49.1	55.7		
L60	47.9	54.7		
L70	46.8	52.9		
L80	45.7	46.4		
L90	44.4	44.1		
L95	43.6	42.8		
L97	43.1	42.8		
L99	42.8	42.6		

FIGURE B-III(c). DAY/NIGHT NOISE DATA FOR WASHINGTON, D.C., SITE 0103

L_{DN}:	64.1	dB
ρ:	26,000	people / sq.mi.

SITE: 0104

Address: 635 Gallatin NW
Washington, D.C.

Microphone Height: 6.1 m.

Distance to Curb: 9.1 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Buses

Vicinity: Cars, Trucks, Buses

OTHER NOISE SOURCES:

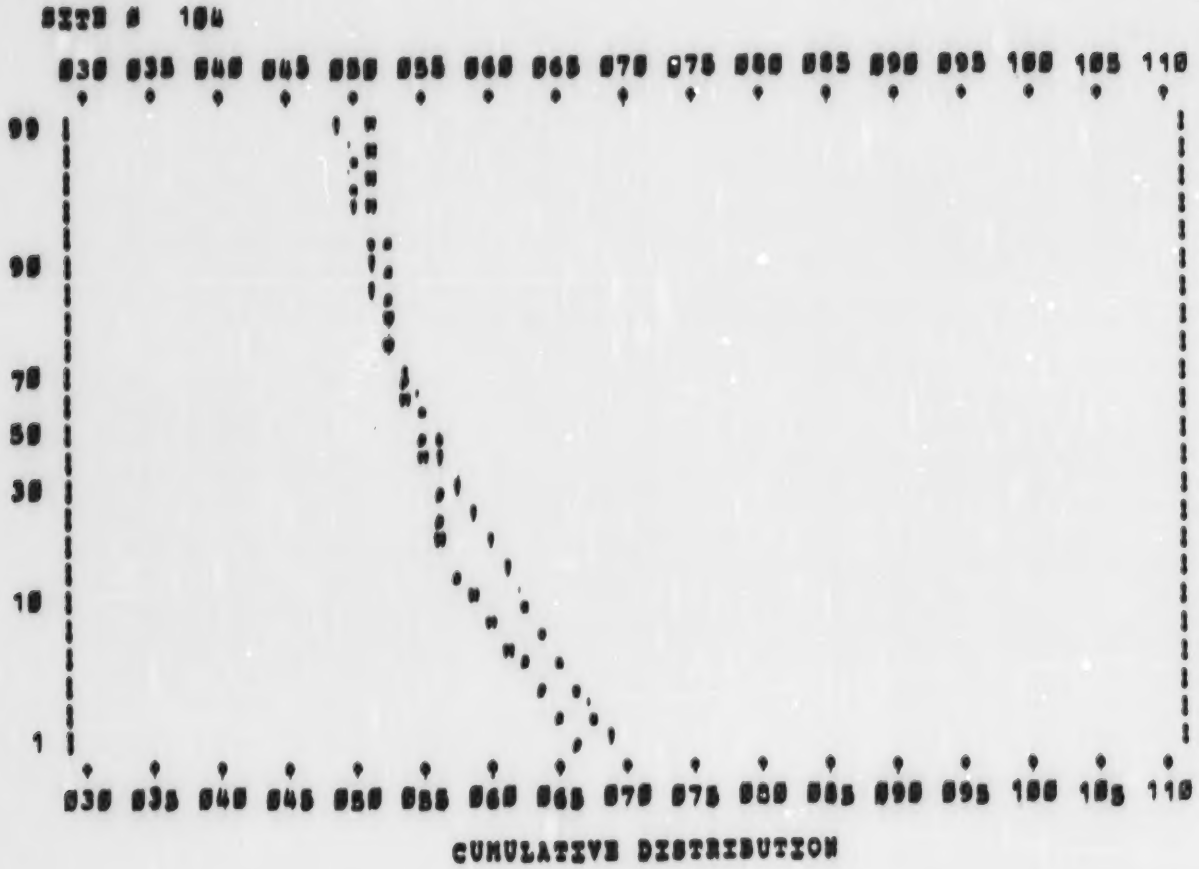
FIGURE B-112(a). DESCRIPTION OF WASHINGTON, D.C., SITE 0104

SITE # 104

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	50.8	62.8	2.8	55.7	44.6	64.7	62.2	60.8	57.5	55.2
2	70.8	52.5	59.9	1.4	56.4	34.2	62.1	59.7	58.6	57.3	56.6
3	80.8	53.8	59.1	1.1	56.3	33.2	61.8	58.1	57.4	57.2	56.6
4	65.8	50.8	58.6	1.8	54.8	39.2	57.4	56.3	56.2	55.9	55.5
5	66.3	50.8	55.3	1.1	52.5	29.4	57.4	54.6	53.7	53.4	52.7
6	72.5	50.8	58.8	1.7	54.4	32.2	61.5	57.9	56.2	54.9	54.5
7	87.5	52.5	68.9	2.9	58.4	48.8	66.5	63.8	62.2	59.9	57.5
8	88.8	51.3	75.5	4.5	63.9	64.9	76.9	69.1	66.8	64.6	62.2
9	80.0	51.3	72.1	4.8	61.9	63.2	73.8	68.6	67.8	64.8	61.9
10											
11	77.5	46.3	68.4	4.3	57.4	62.3	67.6	64.8	63.2	60.4	57.2
12	77.5	46.3	70.2	4.6	58.3	66.3	68.6	65.4	63.8	61.4	58.2
13	83.8	46.3	69.3	4.3	58.3	62.4	67.4	64.2	62.5	60.4	57.7
14	90.0	46.3	72.8	4.4	60.7	62.8	69.6	66.1	64.5	61.8	58.6
15	77.5	48.8	67.9	3.9	57.8	60.0	67.4	64.7	63.3	61.0	57.8
16	81.3	46.3	70.1	4.5	58.5	65.1	68.5	65.8	63.5	61.3	58.5
17	83.8	47.5	71.3	4.2	60.4	64.9	70.2	66.9	65.4	63.3	60.9
18	87.5	48.8	72.8	4.2	62.1	63.9	71.7	67.8	65.6	63.6	61.6
19	85.0	51.3	70.1	3.8	6 .8	57.6	69.7	65.7	64.4	62.7	60.8
20	88.8	48.8	68.1	3.4	5w.3	56.6	67.3	64.5	63.3	61.6	59.6
21	87.5	50.0	69.4	3.6	60.1	59.0	68.6	65.7	64.3	62.5	60.5
22	85.0	50.0	72.3	4.4	61.0	63.1	72.2	67.9	66.1	62.9	60.3
23	78.8	51.3	72.3	4.2	61.5	67.9	69.7	68.3	67.2	65.1	63.0
24	73.8	51.3	65.8	3.0	57.3	51.6	66.0	63.8	62.4	60.1	57.4

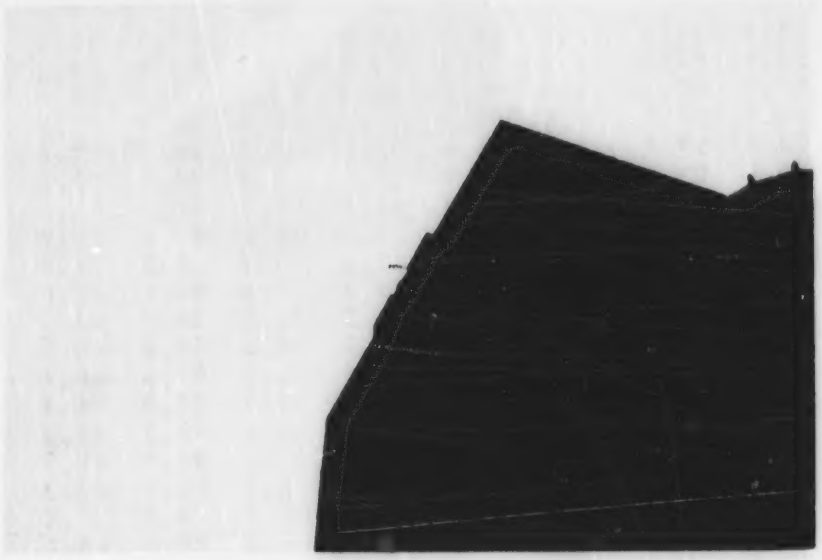
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	54.1	53.6	53.3	53.0	52.7	52.4	51.8	51.5	51.4	51.3
2	56.1	56.0	55.8	55.6	55.4	55.2	55.1	54.6	54.3	53.9
3	56.2	56.0	55.8	55.7	55.5	55.3	55.1	55.1	55.0	54.5
4	55.0	54.2	53.2	52.4	52.1	51.8	51.5	51.4	51.3	51.3
5	52.4	52.2	52.1	51.9	51.7	51.6	51.4	51.3	51.3	50.9
6	54.1	53.7	53.5	53.2	53.0	52.8	52.5	51.9	51.7	51.4
7	56.1	55.5	55.0	54.7	54.4	54.1	53.9	53.6	53.1	52.7
8	60.4	58.9	57.8	56.8	56.0	55.3	54.5	54.0	53.8	53.0
9	60.4	59.3	58.3	57.4	56.7	55.9	55.0	54.2	53.9	53.0
10										
11	55.0	53.9	53.0	52.3	51.6	50.8	49.8	49.1	48.9	48.1
12	56.1	54.6	53.4	52.4	51.5	50.7	49.8	49.2	48.9	48.2
13	55.7	54.4	53.4	52.5	51.7	50.8	49.8	49.1	48.8	47.9
14	56.6	55.2	54.3	53.5	52.9	52.2	51.4	50.6	50.2	49.1
15	55.9	54.7	53.8	53.1	52.5	51.9	51.3	50.7	50.4	50.1
16	56.5	54.9	53.7	52.7	51.8	50.9	50.1	49.3	49.0	48.7
17	59.2	57.8	56.7	55.7	54.8	53.9	52.8	51.9	51.5	50.5
18	60.1	58.8	57.7	56.7	55.7	54.7	53.6	52.7	52.2	51.4
19	59.4	58.3	57.4	56.7	56.0	55.3	54.5	53.9	53.6	52.8
20	58.3	57.2	56.3	55.6	54.9	54.2	53.2	52.6	52.1	51.4
21	59.1	57.9	57.0	56.2	55.4	54.6	53.7	52.9	52.6	51.7
22	58.4	57.0	56.9	55.8	54.3	53.5	52.8	52.3	51.8	51.4
23	61.2	59.7	58.4	57.2	56.2	55.2	54.2	53.6	53.2	52.7
24	56.1	55.4	54.8	54.4	54.0	53.5	53.0	52.7	52.6	52.5

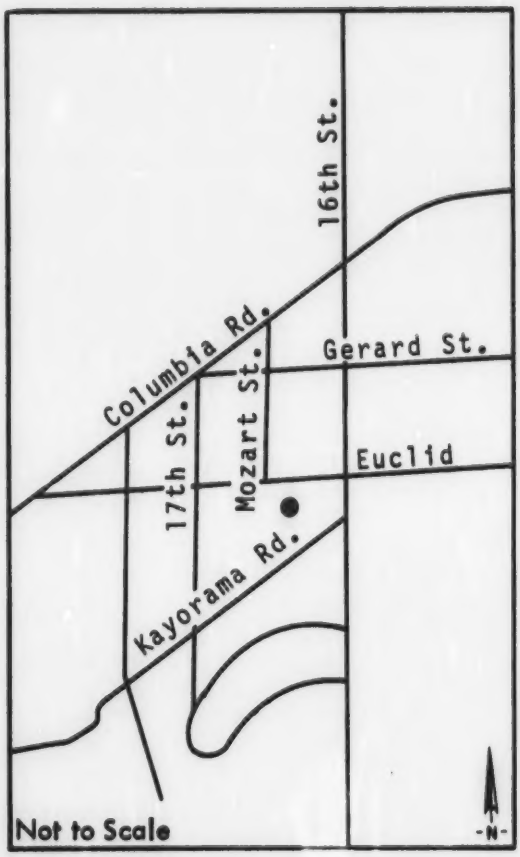
FIGURE B-112(b). HOURLY NOISE DATA FOR WASHINGTON, D.C., SITE 0104



	DAY '.'%	NIGHT ",",	WEIGHTING	WEIGHTED LEQ
MAX	98.8	87.5	0.	59.4
MIN	46.3	36.8	0.	62.8
MDL	71.9	65.5	10.	64.1
SIG	4.2	3.1	12.	65.7
LEQ	69.4	57.1		
TNI	65.4	49.8		
L1	69.8	66.5		
L3	66.1	63.5		
L5	64.6	61.8		
L10	62.4	58.9		
L20	60.8	56.6		
L30	58.3	55.9		
L40	56.9	55.4		
L50	55.8	54.8		
L60	54.8	54.1		
L70	53.9	53.4		
L80	52.8	52.7		
L90	51.5	52.0		
L95	50.4	51.6		
L97	49.9	51.5		
L99	48.8	51.3		

FIGURE B-112(c). DAY/NIGHT NOISE DATA FOR WASHINGTON, D.C., SITE 0104





L_{DN}:	67.2	dB
ρ:	37,000	people / sq.mi.

SITE: 0105

Address: 2480 16th NW
Washington, D.C.

Microphone Height: 30.0 m.

Distance to Curb: 4.6 m.

ROADWAY TYPE

At Site: Collector

Vicinity: Arterial

TRAFFIC

At Site: Cars, Trucks

Vicinity: Cars, Trucks

OTHER NOISE SOURCES:

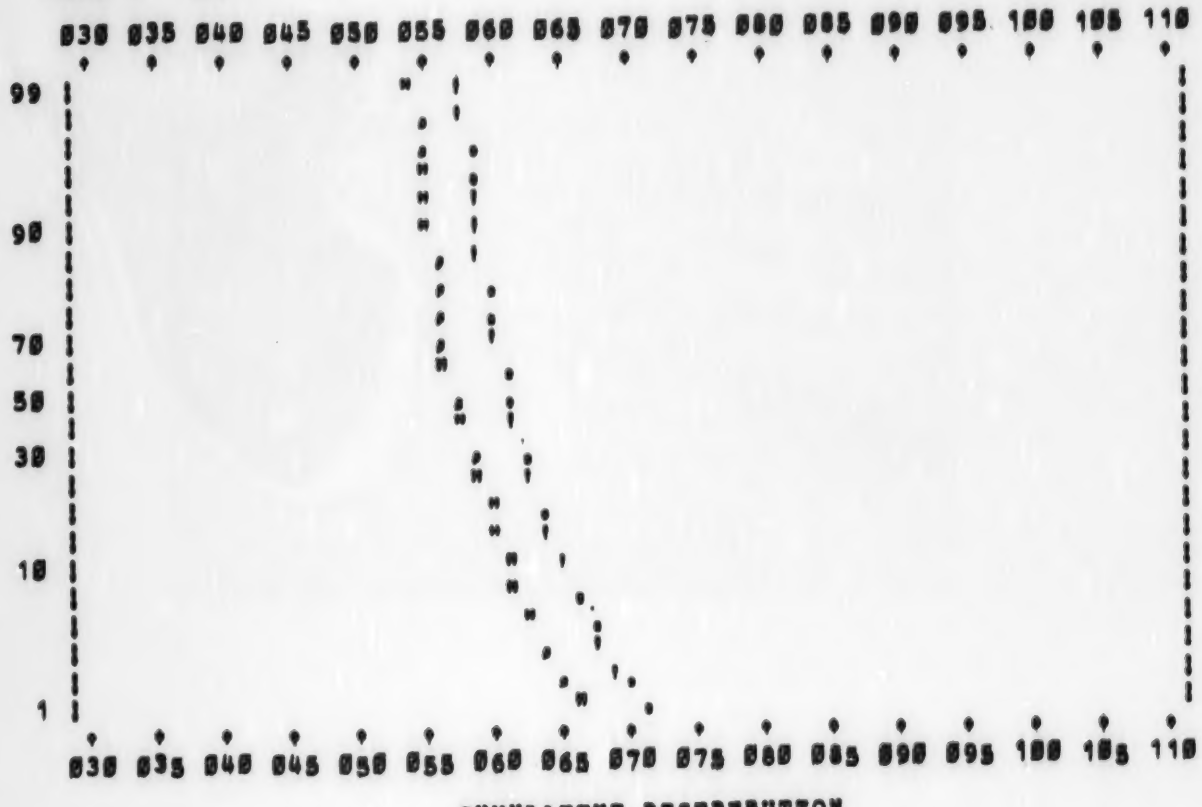
FIGURE B-113(a). DESCRIPTION OF WASHINGTON, D.C., SITE 0105

SITE # 105

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	73.8	55.0	64.2	2.0	59.2	44.6	65.9	63.6	62.5	61.1	59.7
2	82.5	53.8	65.9	2.4	59.8	46.0	66.7	63.1	62.2	61.1	60.2
3	71.3	53.8	60.1	1.4	56.5	35.2	62.3	59.9	58.7	57.6	56.8
4	66.3	53.8	58.8	1.0	56.1	33.3	60.5	58.7	57.8	57.1	56.3
5	73.8	53.8	59.0	1.1	56.1	32.8	61.0	58.7	57.6	57.0	56.2
6	68.8	53.8	61.1	1.6	56.9	39.3	62.3	60.4	59.6	58.6	57.8
7	87.5	55.0	68.8	2.7	61.9	50.9	69.6	66.2	64.9	63.3	61.8
8	83.8	56.3	69.5	2.4	63.4	52.1	70.0	67.0	66.9	65.4	63.9
9	86.3	57.5	73.7	3.3	65.2	62.2	73.6	70.5	69.3	68.0	66.5
10	82.5	56.3	71.1	2.8	63.9	54.3	72.8	69.9	67.9	65.7	63.9
11	80.0	56.3	69.9	2.8	62.8	52.5	72.2	68.1	66.3	64.6	62.8
12	80.0	56.3	69.2	2.6	62.6	52.9	70.4	68.0	66.6	64.8	63.1
13	77.5	56.3	69.0	2.5	62.5	52.1	70.3	67.3	66.1	64.6	63.1
14	82.5	56.3	70.2	2.7	63.2	54.1	70.7	67.9	66.8	65.3	63.7
15	88.8	56.3	72.4	3.2	64.2	57.4	73.6	70.2	68.5	66.1	63.7
16	83.8	56.3	69.3	2.6	62.6	51.8	70.0	66.9	65.7	64.2	62.7
17	92.5	56.3	72.3	2.9	64.8	53.8	72.3	68.7	67.2	65.3	63.6
18	83.8	56.3	69.7	2.5	63.3	53.2	70.9	68.2	67.0	65.8	63.9
19	81.3	56.3	68.0	2.2	62.3	49.7	69.4	66.6	65.6	64.2	62.9
20	80.0	56.3	66.8	2.0	61.6	47.6	67.4	65.5	64.6	63.5	62.3
21	83.8	56.3	66.8	2.1	61.5	47.1	67.8	65.4	64.4	63.2	62.0
22	90.0	56.3	69.6	2.6	62.8	50.9	70.3	67.2	65.9	64.2	62.6
23	81.3	55.0	67.7	2.4	61.5	49.8	69.2	65.9	64.7	63.4	62.0
24	96.3	55.0	72.2	3.8	64.5	47.4	72.6	66.3	64.4	62.4	61.0

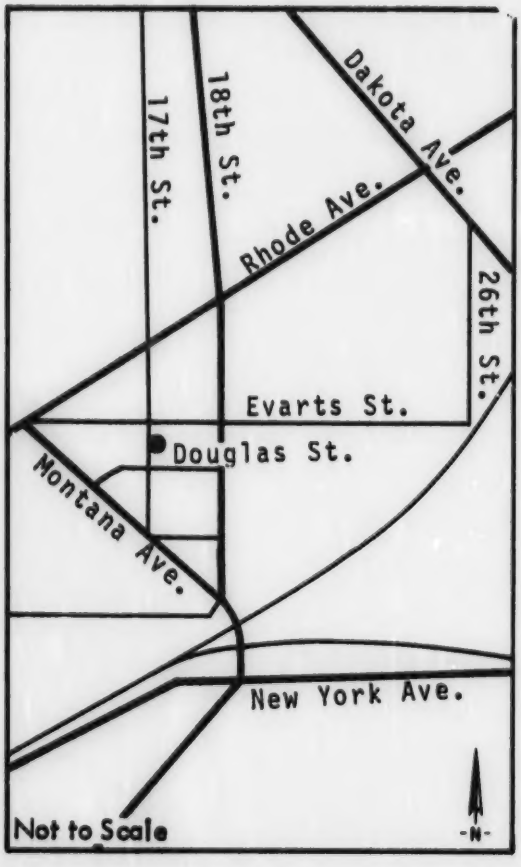
HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	58.9	58.5	58.1	57.7	57.4	57.0	56.6	56.4	56.3	55.6
2	59.3	58.6	58.0	57.5	57.0	56.6	56.2	55.6	55.3	55.1
3	56.2	56.0	55.8	55.6	55.4	55.2	55.1	54.6	54.3	53.9
4	56.1	55.9	55.8	55.6	55.4	55.2	55.1	54.9	54.5	54.0
5	56.0	55.9	55.7	55.5	55.4	55.2	55.0	54.5	54.2	53.9
6	57.1	56.3	56.0	55.8	55.5	55.3	55.1	54.6	54.3	53.9
7	60.8	60.0	59.5	59.0	58.5	58.0	57.4	56.8	56.6	56.3
8	63.2	62.5	62.0	61.6	61.1	60.5	59.9	59.2	59.0	58.6
9	65.1	63.7	62.6	61.9	61.2	60.6	59.9	59.3	59.0	58.8
10	62.9	62.2	61.7	61.2	60.7	60.2	59.5	59.1	58.9	58.2
11	61.9	61.1	60.6	60.1	59.7	59.2	58.6	58.0	57.7	57.0
12	62.1	61.4	60.9	60.5	60.0	59.4	58.8	58.1	57.8	57.0
13	62.2	61.5	60.9	60.4	59.9	59.4	58.8	58.2	57.9	57.6
14	62.7	62.0	61.3	60.7	60.2	59.6	59.0	58.6	58.1	57.7
15	62.6	61.8	61.1	60.6	60.1	59.5	59.0	58.5	58.1	57.7
16	61.9	61.1	60.6	60.1	59.6	59.1	58.4	57.9	57.7	57.3
17	62.5	61.9	61.3	60.8	60.4	59.9	59.2	58.8	58.5	57.8
18	63.0	62.2	61.7	61.2	60.7	60.3	59.6	59.1	58.9	58.2
19	62.1	61.5	61.0	60.6	60.1	59.6	59.1	58.8	58.5	57.8
20	61.7	61.1	60.6	60.2	59.8	59.3	58.8	58.1	57.9	57.6
21	61.2	60.8	60.3	59.9	59.5	59.1	58.6	58.0	57.8	57.6
22	61.7	61.0	60.5	60.0	59.6	59.1	58.6	58.0	57.8	57.5
23	61.1	60.6	60.1	59.6	59.1	58.6	57.9	57.5	57.0	56.5
24	60.1	59.6	59.2	58.7	58.3	57.9	57.4	56.8	56.6	56.4

FIGURE B-113(b). HOURLY NOISE DATA FOR WASHINGTON, D.C., SITE 0105



	DAY '.'.	NIGHT ",".	WEIGHTING	WEIGHTED LEQ
MAX	92.5	96.3	0.	62.3
MIN	56.3	53.8	8.	65.8
MPL	78.3	67.1	10.	67.2
SIG	2.7	2.7	12.	68.7
LEQ	63.3	60.2		
TNI	53.7	49.4		
L1	71.4	66.9		
L3	68.2	63.8		
L5	67.0	62.7		
L10	65.1	61.3		
L20	63.4	59.9		
L30	62.4	58.9		
L40	61.7	58.2		
L50	61.1	57.5		
L60	60.6	56.7		
L70	60.1	56.1		
L80	59.6	55.7		
L90	59.0	55.3		
L95	58.4	55.1		
L97	58.0	55.0		
L99	57.6	54.2		

FIGURE B-113(c). DAY/NIGHT NOISE DATA FOR WASHINGTON, D.C., SITE 0105



L_{DN}:	64.6 dB
ρ:	8,800 $\frac{\text{people}}{\text{sq.mi.}}$

SITE: 0106

Address: 2625 17th NE
Washington, D.C.

Microphone Height: 4.7 m.

Distance to Curb: 10.7 m.

ROADWAY TYPE

At Site: Local

Vicinity: Collector

TRAFFIC

At Site: Cars

Vicinity: Cars

OTHER NOISE SOURCES:

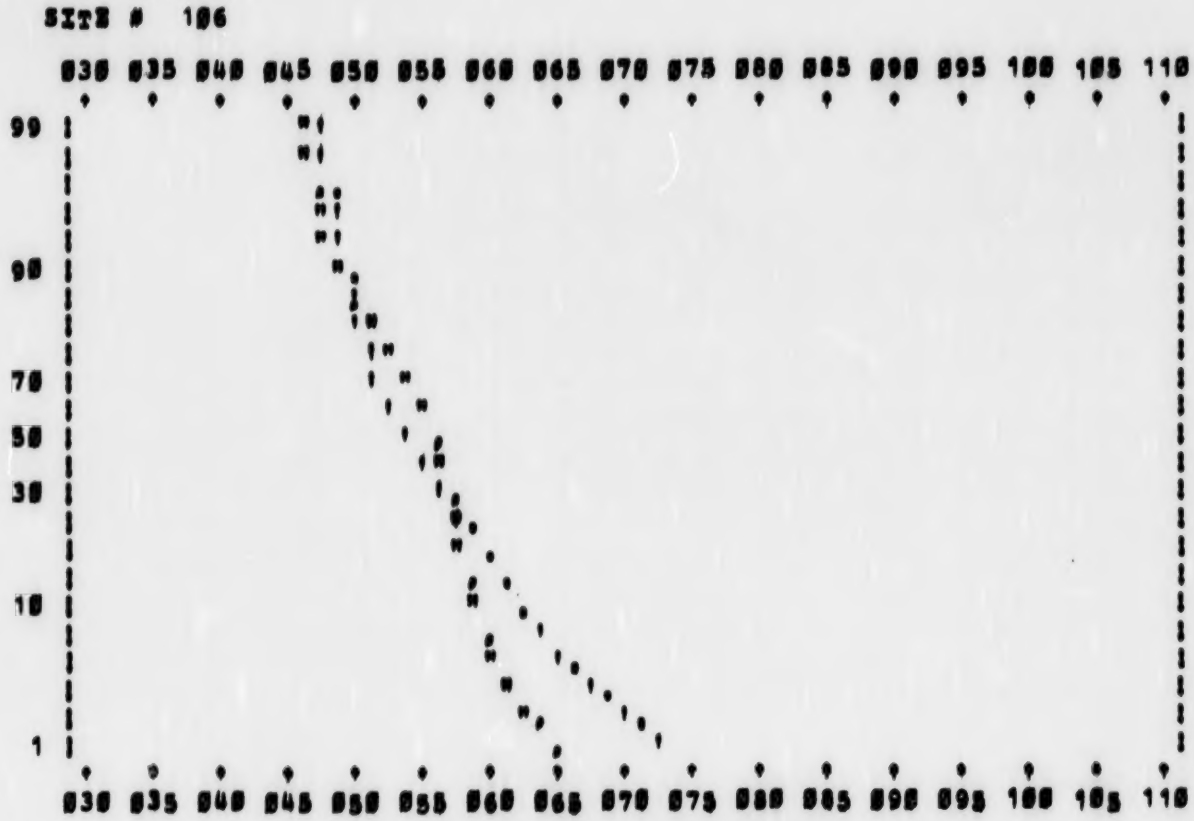
FIGURE B-114(a). DESCRIPTION OF WASHINGTON, D.C., SITE 0106

SITE # 106

HR	MAX	MIN	NPL	SIG	LEQ	TNI	L1	L3	L5	L10	L20
1	72.5	51.3	60.7	1.4	57.1	38.6	61.1	59.6	59.0	58.5	57.9
2	75.0	51.3	60.9	1.3	57.6	38.1	60.8	59.0	59.5	58.7	58.4
3	73.8	51.3	61.5	1.8	57.1	42.8	61.2	59.3	59.8	58.9	57.9
4	72.5	50.0	60.7	1.6	56.7	40.8	60.0	59.0	58.9	58.4	57.6
5	66.3	46.3	57.6	1.8	52.9	38.3	57.3	55.9	55.4	54.7	53.7
6	76.3	45.0	62.7	3.7	53.2	49.6	64.7	57.9	56.2	54.9	52.6
7	78.8	45.0	63.7	3.8	53.9	51.3	64.3	61.7	60.1	58.1	52.5
8	78.8	46.3	69.3	4.4	57.9	66.3	66.9	64.8	63.7	61.8	59.2
9	93.8	46.3	74.1	4.6	62.2	63.8	68.7	64.9	63.3	60.8	57.9
10	82.5	46.3	69.7	4.6	58.8	66.6	66.9	64.3	63.1	61.4	59.8
11	78.8	46.3	66.8	3.8	56.2	57.8	68.7	62.7	61.3	59.2	56.7
12	82.5	45.0	69.8	4.4	57.8	59.7	68.4	64.6	62.5	59.3	55.8
13	82.5	45.0	65.2	3.8	55.5	52.3	68.8	62.4	60.2	57.6	54.6
14	81.3	45.0	71.5	5.1	58.5	63.5	71.6	66.8	63.3	59.4	55.8
15	86.3	45.0	75.6	5.6	61.4	68.8	74.6	67.4	64.2	60.8	56.6
16	82.5	45.0	68.9	4.5	57.3	63.3	67.6	63.9	62.3	59.9	56.6
17	85.0	47.5	77.4	5.9	62.4	73.7	78.1	71.4	68.9	63.6	58.7
18	85.0	46.3	75.9	5.4	61.9	69.7	74.2	71.0	67.8	62.7	58.4
19	83.8	48.8	72.5	4.5	61.8	61.8	72.9	68.9	65.9	62.2	59.2
20	91.3	48.8	78.3	5.8	64.2	72.6	76.1	72.1	69.4	64.6	60.8
21	85.0	50.0	72.0	4.1	61.8	62.6	72.3	67.6	65.1	63.5	61.7
22	96.3	51.3	81.8	5.8	67.6	82.4	78.6	75.7	73.9	70.0	64.6
23	82.5	53.8	69.0	3.8	61.8	53.4	70.2	67.4	66.2	63.5	61.2
24	83.8	51.3	63.4	2.3	57.6	45.9	63.7	61.6	60.7	59.8	58.2

HR	L30	L40	L50	L60	L70	L80	L90	L95	L97	L99
1	57.4	57.1	56.8	56.5	56.1	55.6	55.2	54.6	54.2	53.8
2	58.0	57.6	57.3	56.9	56.6	56.3	55.6	55.2	55.1	54.2
3	57.3	56.8	56.4	56.0	55.6	55.2	54.6	54.1	53.9	53.2
4	57.1	56.7	56.2	55.8	55.4	55.0	54.3	53.9	53.6	52.8
5	53.3	52.8	52.4	52.0	51.5	51.0	50.1	49.4	49.0	48.3
6	50.0	49.5	48.6	48.1	47.6	47.1	46.6	46.4	46.3	45.6
7	51.1	50.2	49.6	49.1	48.6	48.1	47.6	47.2	46.8	46.4
8	57.3	55.6	54.2	53.8	52.8	51.2	50.3	49.6	49.2	48.9
9	56.1	54.7	53.5	52.5	51.7	50.9	50.1	49.4	49.1	48.6
10	57.0	55.3	53.9	52.6	51.6	50.6	49.6	49.0	48.8	47.9
11	54.9	53.6	52.7	51.9	51.2	50.5	49.7	49.2	48.9	48.4
12	54.0	53.0	52.1	51.4	50.8	50.1	49.2	48.6	48.1	47.5
13	53.0	52.0	51.2	50.6	50.1	49.5	48.9	48.3	47.9	47.6
14	52.7	51.4	50.5	49.8	49.3	48.7	48.0	47.6	47.3	46.6
15	54.5	52.7	51.3	50.4	49.6	48.8	48.1	47.7	47.5	46.7
16	54.3	52.9	52.0	51.3	50.5	49.7	48.7	48.0	47.7	46.9
17	56.0	54.3	53.1	52.3	51.6	50.9	50.3	49.8	49.3	48.9
18	56.2	54.9	53.9	53.1	52.3	51.5	50.4	49.8	49.3	48.8
19	57.5	56.4	55.4	54.6	53.9	53.1	52.4	51.7	51.5	50.9
20	57.9	56.5	55.4	54.5	53.7	52.9	51.9	51.3	50.9	50.3
21	60.3	59.2	58.2	57.1	56.0	54.9	53.8	52.9	52.6	51.7
22	63.0	61.9	60.8	59.6	58.3	57.1	55.8	54.9	54.3	53.4
23	60.4	59.7	59.2	58.7	58.2	57.6	56.8	56.3	55.9	55.2
24	57.3	56.7	56.1	55.7	55.3	54.8	54.1	53.7	53.1	52.6

FIGURE B-114(b). HOURLY NOISE DATA FOR WASHINGTON, D.C., SITE 01



	DAY '.'%	NIGHT ".".	WEIGHTING	WEIGHTED LEQ
MAX	96.3	83.8	0.	69.4
MIN	45.8	45.8	0.	63.3
MPL	75.5	67.4	10.	64.6
SIG	5.4	4.8	12.	66.8
LEQ	61.6	57.2		
TNI	78.7	68.8		
L1	73.7	65.4		
L3	68.3	61.7		
L5	65.4	60.6		
L10	62.4	59.3		
L20	59.3	58.1		
L30	57.1	57.3		
L40	55.5	56.6		
L50	54.1	55.9		
L60	52.9	55.2		
L70	51.8	53.9		
L80	50.8	51.6		
L90	49.6	48.8		
L95	48.9	47.7		
L97	48.4	47.2		
L99	47.7	46.8		

FIGURE B-114(c). DAY/NIGHT NOISE DATA FOR WASHINGTON, D.C., SITE 0106

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